



June 18, 1985

RECEIVED

State of Utah  
Division of Oil, Gas & Mining  
4241 State Office Bldg.  
Salt Lake City, Utah 84114

JUN 20 1985

DIVISION OF OIL  
GAS & MINING

Attn: Mr. Norm Stout

Dear Mr. Stout:

Attached please find for your approval one (1) copy of our Application for Permit to Drill the following well:

USA 1-10LC  
Section 10, T26S-R20E  
Grand County, Utah

Please let us know if you find you are in need of any further information or have any questions regarding this Application. Thank you.

Very truly yours,

R. L. Martin  
Vice President  
Oil & Gas Operations

RLM:kr

Attachments

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

5. Lease Designation and Serial No.

U-49391

6. If Indian, Allottee or Tribe Name

-----

7. Unit Agreement Name

-----

8. Farm or Lease Name

Coors USA

9. Well No.

1-10LC

10. Field and Pool, or Wildcat

✓ Wildcat

11. Sec., T., R., M., or Bk.  
and Survey or Area

Sec. 10, T26S-R20E

12. County or Parrish

Grand

13. State

Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐

Other

Single Zone ☒Multiple Zone ☐

2. Name of Operator

Coors Energy Company

(303) 278-7030

3. Address of Operator

P.O. Box 467, Golden, Colorado 80402

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

2095' FWL, 967' FSL, SE/4SW/4

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office\*

30 miles west of Moab, Utah

15. Distance from proposed\*

location to nearest  
property or lease line, ft.

3195'

(Also to nearest dirg. line, if any)

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

5280'

16. No. of acres in lease

360

17. No. of acres assigned  
to this well

----

19. Proposed depth

8200'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DP, RT, GR, etc.)

5634' GL

22. Approx. date work will start\*

August, 1985

## 23. PROPOSED CASING AND CEMENTING PROGRAM

| Size of Hole | Size of Casing | Weight per Foot | Setting Depth | Quantity of Cement |
|--------------|----------------|-----------------|---------------|--------------------|
| 17-1/2"      | 13-3/8"        | 54.00#          | 400'          | 300 sx.            |
| 12-1/4"      | 9-5/8"         | 36.00#          | 4400'         | 300 sx             |
| 8-5/8"       | 7-5/8"         | 29.70#          | 7700'         | 300 sx             |
| 5-1/2"       | 4-1/2"         | 11.60#          | 8200'         | 300 sx             |

1. This well will be spudded in the Triassic Wingate Sand.

2. Estimated formation tops: Triassic Chinle 350', Salt 4350', Cane Creek 7250', Base Salt 7600', Mississippian 7800', Devonian Elbert 8175'.

3. Water zones are not anticipated below the Chinle Formation.

4. Attached find a diagram of the pressure control device to be used on this well.

5. The proposed circulating medium will be 3% KCL water or a low-solids non-dispersed mud. Mud weights in excess of 14#/gal are not anticipated.

6. Auxiliary equipment: float will be run in the drill string. A full opening valve to fit the drill string will be on the rig floor at all times. Kelly cock valves will be used.

7. No coring is planned, drill stem tests may be run in potential pay zones. Logs to be run will be: DIL, CNL, CBL

8. The base Salt at 7600' is believed to be over pressured. Appropriate mud weights will be used.

9. Anticipated starting date: August, 1985, duration of drilling: 40 days.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

R.L. Martin

Title V.P. O/G Operations

Date 6/18/85

(This space for Federal or State office use)

Permit No.

Approval Date

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

Approved by

Title

Date

Conditions of approval, if any:

DATE: 7/2/85

BY: [Signature]

WELL SPACING: 2-3(c)

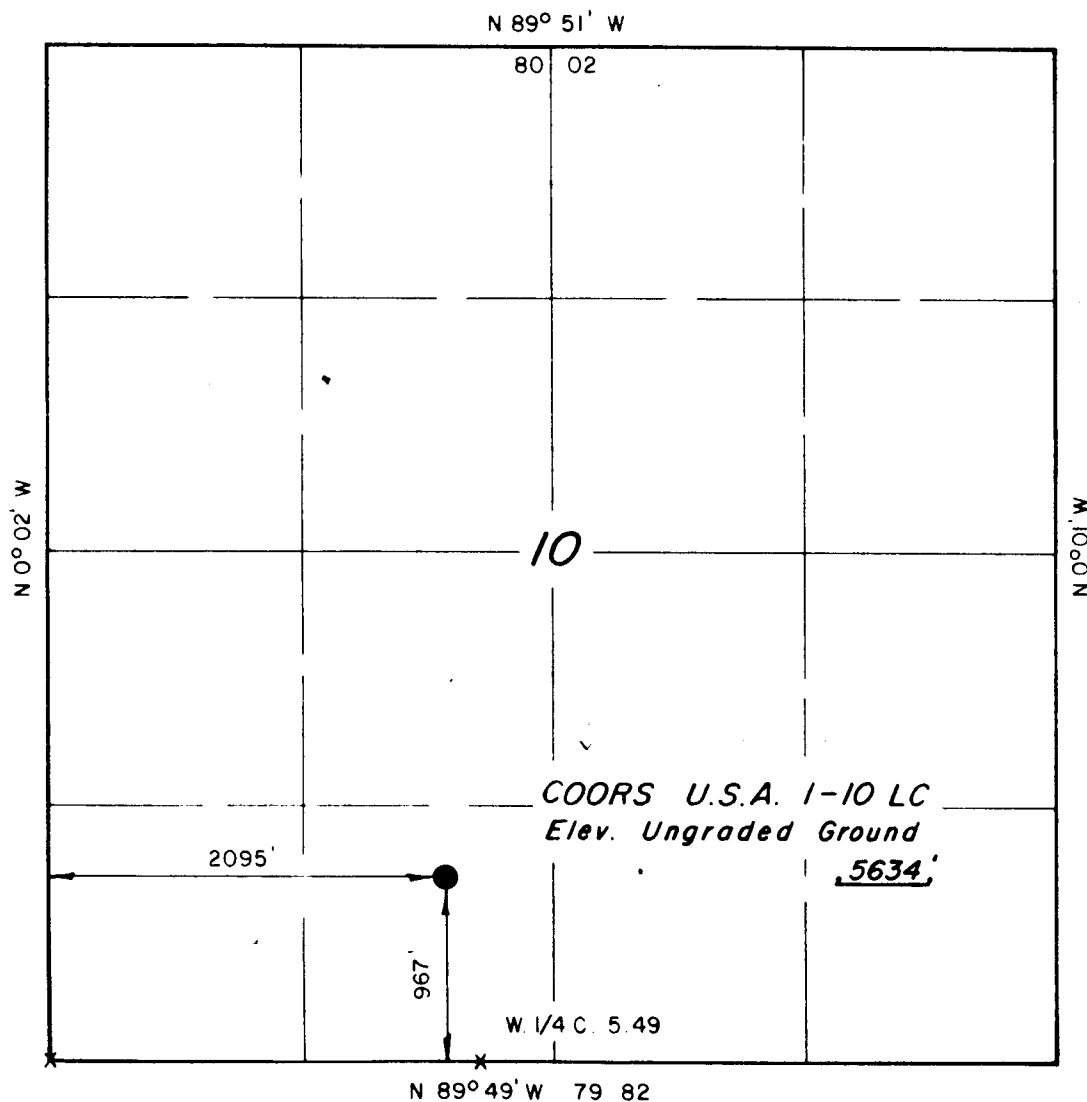
\*See Instructions On Reverse Side

T 26 S, R 20 E, S.L.B. & M.

PROJECT

COORS ENERGY CO.

Well location, COORS U.S.A. 1-10 LC,  
located as shown in the SE 1/4 SW 1/4  
Section 10, T 26 S, R 20 E, S.L.B. & M.  
Grand County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*James L. ...*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

|                        |                        |
|------------------------|------------------------|
| SCALE<br>1" = 1000'    | DATE<br>6/6/85         |
| PARTY<br>JK BFW PK BFW | REFERENCES<br>GLO Plat |
| WEATHER<br>HOT         | FILE<br>COORS          |

EXHIBIT "A"

X = Section Corners Located

Coors Energy Company  
Well No. Coors USA 1-10LC  
Sec. 10, T. 26 S., R. 20 E.  
Grand County, Utah  
Lease U-49391

CONDITIONS OF APPROVAL

A. Drilling Program

1. The B.O.P.E. will be rated to a least 3000 psi.
2. If cement is not circulated to surface on surface casing, cement will be placed down the annulus to the surface.
3. Any casing liner will have a least a 100' overlap.
4. All casing strings will be tested to 1000 psi or .2 psi/ft., whichever is greater.
5. All pressure tests will be recorded in the driller's log.

B. Surface Use Program

1. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.
2. All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
3. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
4. All loading lines and valves will be placed inside the berm surrounding the tank battery.
5. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
6. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

7. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
8. Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.
9. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
10. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned, will be identified in accordance with 43 CFR 3162.2.
11. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
12. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
13. All items in the 13 point plan as submitted by the operator will be adhered to.

**MULTIPOINT SURFACE USE PLAN**  
**COORS ENERGY COMPANY**  
**COORS USA 1-10LC**  
**SECTION 10, T26S-R20E**  
**GRAND COUNTY, UTAH**

Coors Energy Company will assure that this APD will be posted in the doghouse of the drilling rig during the drilling of this well. Also, a sign will be posted at the entrance to the location with the name of the well, operator and location description. We will notify the BLM in Moab, Utah 48 hours prior to beginning any work on this land. Prior to starting surface construction operations, the dirt contractor shall have a completed approved copy of this APD.

**1. EXISTING ROADS - See Exhibits C, D**

Access to Coors USA 1-10LC begins at the City of Moab, Utah and proceeds along the following roads with approximate mileages as indicated:

Proceed northerly from Moab, Utah on Highway 160 for 9.9 miles to the Junction of Seven-Mile Canyon Road, turn west and proceed southwesterly along this road approximately 13.7 miles to an intersection called the Knoll, turn east and proceed southeasterly along this road 3.8 miles to a State owned road, turn north and proceed northeasterly along the road approximately one mile to the access road.

Coors Energy Company and our subcontractors will not use Long Canyon to access our wellsite as per BLM instructions.

Road maintenance from the County Road to the well will be provided by a Coors Energy Company subcontractor. Maintenance will consist of periodic grading and repairs to the surface. During summer months, a watering program will be used to control dust. Rain and other inclement weather may require repairs to turnouts, waterbars, etc.

Materials for upgrading the existing road will come from the immediate area of road improvement work.

Upgraded existing roads will be constructed with an 16' road surface with bar ditches and water bars where required. Not over 20' will be cleared to upgrade any existing roads.

2. PLANNED ACCESS ROAD - See Exhibits C, D

The access road is a jeep trail which is approx. 0.6 miles long. It is to be upgraded to 16' wide and not extending to more than 20' wide, (8-10' on either side of the centerline). The access road will require no turnouts or drainage. The maximum grade will be 3% and will be built to Class III Road Standards. Back slopes along the cut areas of the road will be 1-1/2 - 1/4% and terraced where cuts are needed. There are no fences encountered along the proposed access road. Roads will be smooth, free of ruts, chuckholes, rocks, slides, etc. Shoulders will be straight and have no berms. If the access road cannot be rehabilitated within 60 days from dismounting the drilling rig, the BLM in Moab will be notified.

Any trees cut during construction of the well pad which have a diameter exceeding 4", will be cut into 4' lengths and stacked along the road right of way. Any brush or trees less than 4" in diameter will be scattered off road right of way and located in an orderly fashion as ground cover. No firewood gathering will be allowed without a duly granted wood permit.

3. LOCATION OF EXISTING WELLS - See Exhibit G

Within a 2-mile radius of this proposed well, there are 6 P&A wells:

Matthew Federal 1  
Davis Oil Co.  
Sec. 4, T26S-R20E

Matthew Federal 2  
Davis Oil Co.  
Sec. 4, T26S-R20E

Skyline Federal 8-44  
Minerals Management Co.  
Sec. 8, T26S-R20E

White Cloud #1  
J. Roberts DBA White Cloud Co.  
Sec. 14, T26S-R20E

Dry Fork #1  
J.E. Roberts Jr.  
Sec. 3, T26S-R20E

No name available  
J.E. Roberts Jr.  
Sec. 9, T26S-R20E  
2134'FSL, 603'FWL

Within a 2-mile radius of this proposed well, there are two producing wells:

Long Canyon Unit #2  
Southern Natural Gas Co.  
Sec. 9, T26S-R20E

Long Canyon Unit #1  
Southern Natural Gas Co.  
Sec. 9, T26S-R20E

With the exception of the above mentioned wells, there are no:

- a) known water wells
- b) temporarily abandoned wells
- c) disposal wells
- d) injection wells
- e) monitoring or observation wells

Mr. Gardner from the State of Utah, Division of Water Rights in Price, Utah, informed us that there are no water wells within a 2-mile radius of this location.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES - See Exhibits B, E

Coors does not request approval of surface production facilities at this time. Coors will submit a surface facility plan when the well is proven to be commercial. Access to the wellpad will be from the SW.

For drilling operations, a survey map (Exhibit B) showing rig layout is attached. All necessary surface equipment will be spotted on the 250' x 325' wellsite pad.

All garbage and trash will be placed in a trash cage and hauled to an appropriate disposal site. No burning of any trash will occur at the location. Any disturbed area not required for producing operations will be restored according to BLM instructions. The production facilities will create no additional surface disturbances. The drilling waste pit will be fenced on three sides with 36" woven sheep wire with two strands of barbed wire on top of the sheep wire. Upon completion of the drilling operations, the fourth side will be fenced. The reserve pit will be lined with clay or plastic to prevent seepage. The pit, which is approximately 250' x 100', will be located on the SW side of the drill site.

Trash, litter and construction materials will not be littered along road ways or drilling sites.

5. LOCATION AND TYPE OF WATER SUPPLY

The source of the water used to drill this well will be hauled in approximately 37 miles by truck from the Colorado River from the north side of Moab. The hauling contractor will have a hauling permit. Approximately 6000 bbls of water will be required to drill and complete this well.

Coors Energy Company is permitting this well, but it will be drilled by EP Operating Company, a Texas Limited Partnership, formerly Enserch Exploration, Inc. Coors/EP will ensure that the water hauler has an approved State of Utah permit to appropriate water prior to beginning drilling operations. For example, Knut and Sons of Moab, Utah, may be used.



6. SOURCE OF CONSTRUCTION MATERIALS - See Exhibit B

The top 6" of topsoil and trees will be removed from the well pad and stored on the north and east sides of the location. Fill materials needed to construct the location will be derived locally from cuts needed to build the well pad.

7. METHODS FOR HANDLING WASTE DISPOSAL

A mud reserve pit will be constructed for containment of drill cuttings as well as all drilling fluids and produced fluids. Produced waste fluids will be contained in a pit constructed in a chemical-type toilet. All trash and garbage will be placed in a trash cage and hauled from the location to an appropriate disposal site. The pit will be fenced as per statements in Section 4.

During production operations, all produced waters will be disposed of according to NTL-2B stipulations.

The reserve pit will be lined. An inspection will determine whether to use liner or bentonite. The reserve pit will be allowed to dry and then back-filled and the area restored according to BLM requirements upon completion of the well.

8. ANCILLARY FACILITIES

None will be required.

9. WELL SITE LAYOUT - See Exhibit B

Attached is a diagram showing the proposed wellsite layout.

10. PLANS FOR RESTORATION OF SURFACE - See Exhibit B

Surface vegetation scraped off during drill site preparation will be removed and stock-piled prior to topsoil removal. Upon abandonment, vegetation will be redistributed as a mulching agent over the well site. The top 6" of topsoil will be removed from the well pad and stored on the north and east sides of the location as shown on Exhibit "B".

The reserve pit and that part of the location not needed for production operations will be reclaimed within 90 days after completion of the well. ,

The original surface will be reconstructed as close as possible upon abandonment. The stock-piled topsoil will be spread over the area. Any solid waste material present prior to abandonment will be removed from the location. Any oil or deleterious liquids will be removed by a pump truck to an approved disposal area.

Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all trash will be removed. The access road will also be blocked during restoration. Prior to reseeding, all disturbed areas, including the access road will be scarified and left with a rough surface. The reserve pit and that part of the location not needed for production will be reclaimed in the same manner outlined in this section. The rehabilitated access road will be blocked to prevent any vehicle use.

Coors Energy Company will use the following seed mixture to rehabilitate the area: *Hilaria jamesii*, *Melilotus officinalis*, *Medicago sativa*, *Eurotia lanata*. We will notify the BLM 48 hours before rehabilitating the surface.

This mixture will be drilled to a depth of one-half inch and planted between September 15 and November 15. This seeding program may be modified as per BLM instruction at the time of site restoration.

If any cultural resources are found during construction, all work will stop and the BLM will be notified.

11. OTHER INFORMATION - See Exhibits H, I, J, K

The Coors USA 1-10LC is located approximately 30 miles west of Moab, Utah. There are no occupied dwellings within approximately two (2) miles of the well site. An archaeological report is attached. The area surrounding this location is a desert to semi-desert environment. (See Exhibit "H").

It is Coors Energy Company's policy that no Coors' employees nor subcontractors carry firearms on access roads nor onto the location during drilling or well completion operations of this well. No alcoholic beverages or drugs will be permitted on Coors' operations on this property, nor will any prospecting will be allowed on Coors' operations.

A copy of the BLM Stipulations is attached to the application, (See Exhibit "I") and our Special BOP Instructions, (See Exhibit "J").

All operators, subcontractors and vendors will be confined to established roads and wellsites.

The BLM in Moab will be notified of construction work, spud, suspended operations, resumption of operations, monthly report of operations, spills, blowouts, leaks, etc, MI completion rig, first production, well abandonment, and venting of gas.

Drilling rig can move in and out only on weekdays.

12. CONTACT

Mr. Jake Amen  
Field Supervisor  
Oil & Gas Operations  
Coors Energy Company  
825 First Avenue  
Grand Junction, Colorado 81501  
(303) 245-8672

Mr. R. L. Martin  
Vice President  
Oil & Gas Operations  
Coors Energy Company  
PO Box 467  
Golden, Colorado 80402  
(303) 278-7030

13. CERTIFICATION

See Exhibit "K"

SEC 9, T26, R20E, SLM.

PROJECT

COORS ENERGY CO.

RESERVE PIT  
SITE

SE 1/4 SE 1/4 SEC 9, T26S, R20E, SLM  
GRAND COUNTY, UTAH

• SE 1/4 SE 1/4

PROPOSED RESERVE PIT  
FOR WELL IN SE 1/4 SW 1/4  
SEC 10.

N 39° 42' 17" E  
31.86'

S 58° 58' 23" E - 17.35'

S 30° 49' 18" W - 133.77'

N 57° 33' 06" W  
137.76'

N 60° 41' 56" W  
608.30'

S 89° 57' W

SE COR SEC. 9  
T26S, R20E, SLM

N 0° 02' W  
W 1/4 COR SEC. 10, T26S, R20E, SLM



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Laurence E. Kay*

REGISTERED LAND SURVEYOR  
REGISTRATION NO.  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

|                    |                        |
|--------------------|------------------------|
| SCALE<br>1" = 200' | DATE<br>6-6-85         |
| PARTY<br>JK BW PK  | REFERENCES<br>GLD PLAT |
| WEATHER<br>HOT     | FILE<br>COORS          |

EXHIBIT "E"

| PROPOSED | LOCATION |
|----------|----------|
| 1        | 1        |
| 2        | 2        |
| 3        | 3        |
| 4        | 4        |
| 5        | 5        |
| 6        | 6        |
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| 100      | 100      |

TOPO.

MAP "A"

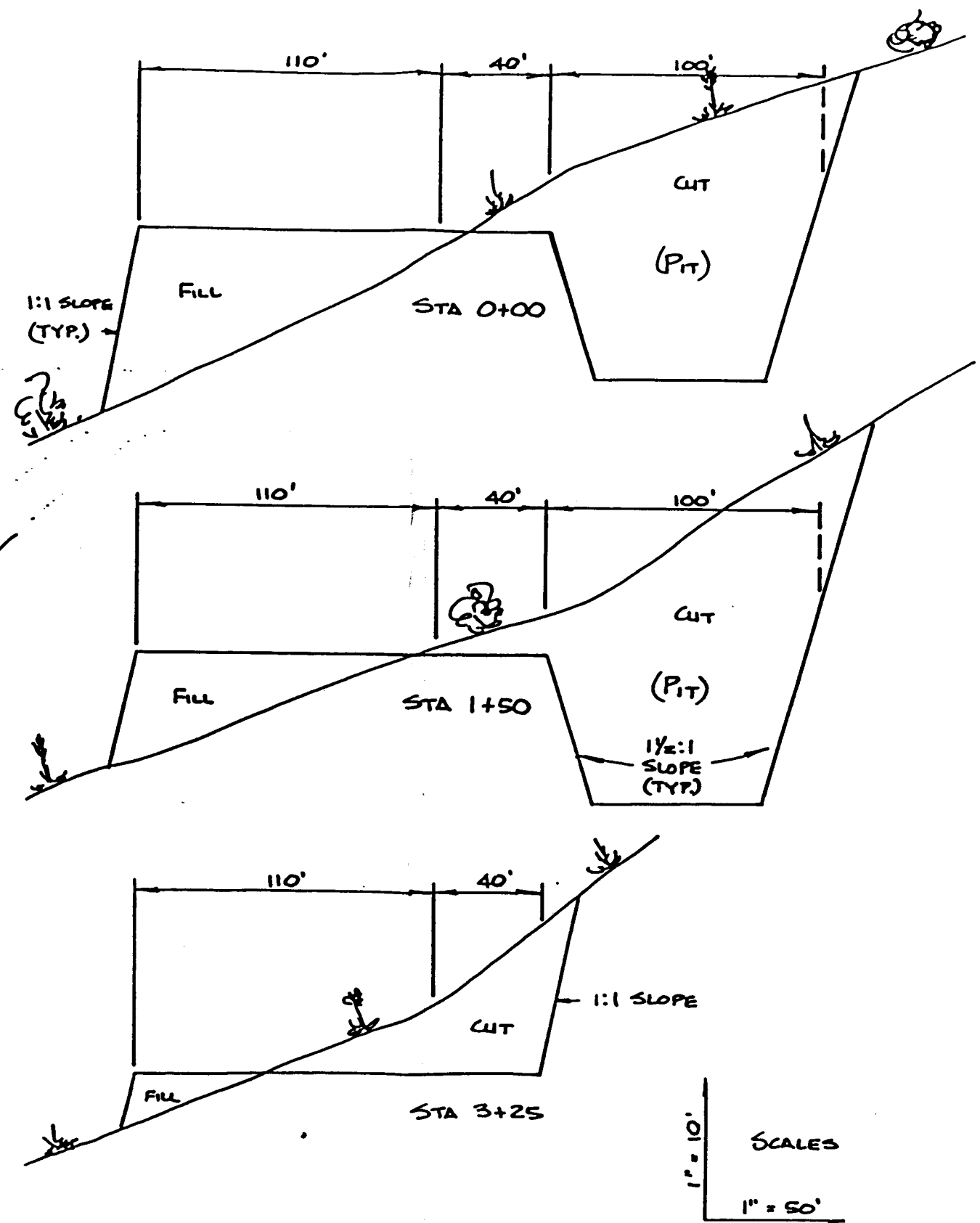
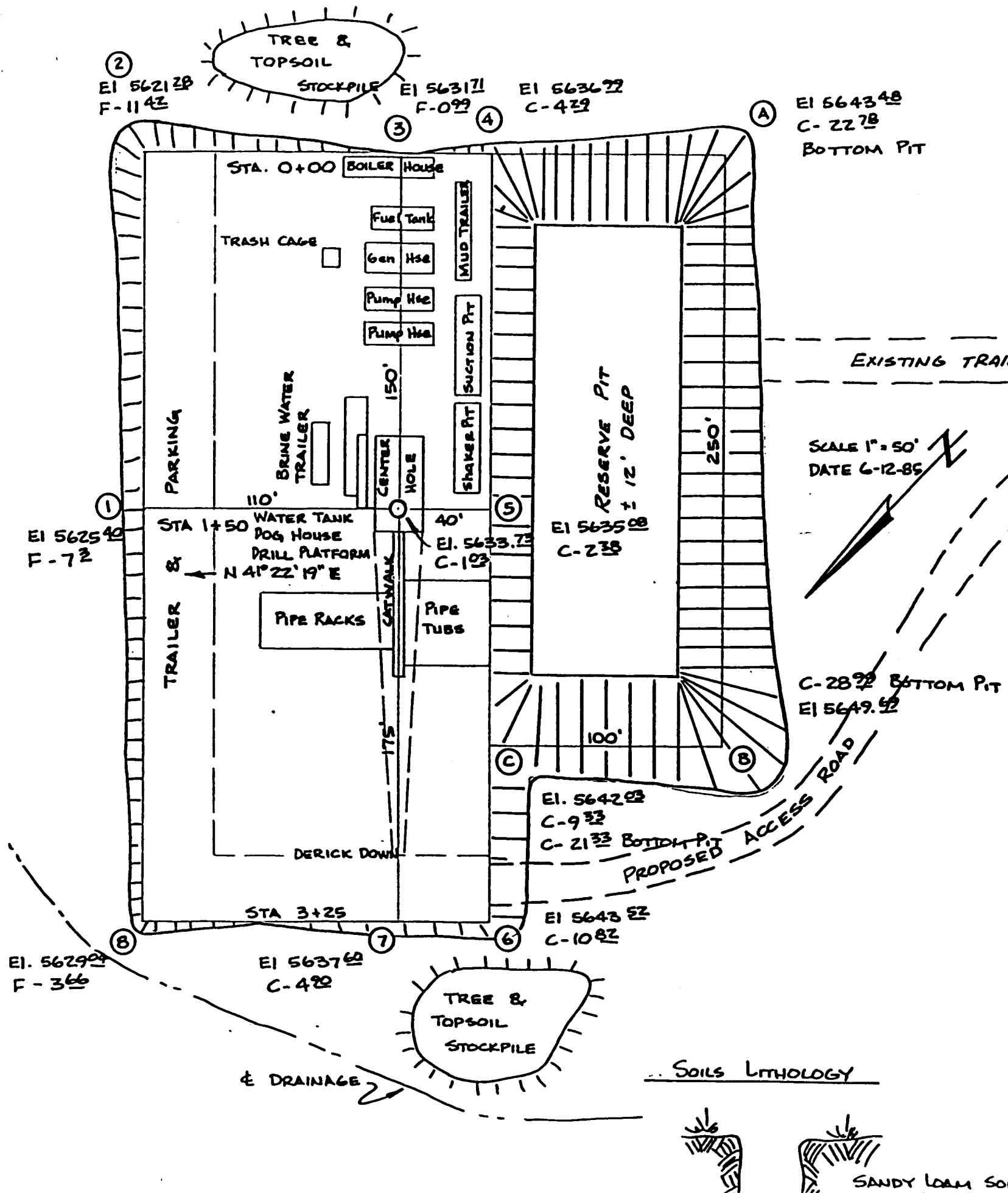
SCALE 1" = 4 MI.

Block: 1 BEFORE  
PROPOSED LOCATION

EXHIBIT "C"



COORDS U.S.A. 1-10 LC



# APPROX. YARDAGES

Cu. Yds. CUT = 21,264  
Cu. Yds. FILL = 4,895

EXHIBIT "B"

SOILS LITHOLOGY



SANDY LOAM SOIL

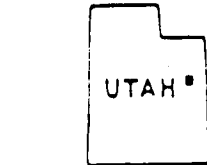
RS ENERGY CO.  
U.S.A. 1-10LC  
SED LOCATION

QUADRANGLE  
(TOPOGRAPHIC)  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION  
weather, Unimproved road fair or dry  
weather



QUADRANGLE LOCATION





**ARCHAEOLOGICAL SURVEY FOR  
COORS ENERGY USA 1-10LC  
GRAND COUNTY, UTAH**

**GRC Report 85034**

by  
**John D. Hartley**

**GRAND RIVER CONSULTANTS, Inc.**  
576 25 Road, Suite 11  
Grand Junction, CO 81501  
(303)241-0308

**BLM PERMIT 84-UT-54936**

**STATE SURVEY PERMIT U-84-12- 4476**

**June 7, 1985**

**Prepared for:**  
**Coors Energy Company**  
Bldg. 21, Suite 150  
Denver West Office Park  
1746 Cole Blvd.  
Golden, CO 80401

**Distribution:**

**BLM - District Office, Moab (1)**  
    **Area Office, Moab (1)**  
    **State Office (1)**  
**Utah State Historical Society, Antiquities Division (1)**  
**Coors Energy (2) ✓**

**EXHIBIT "H"**

Summary Report of  
Inspection for Cultural ResourcesMitigation Acceptable Yes ☐ No ☐  
Comments: \_\_\_\_\_Report Title ARCHAEOLOGICAL SURVEY OF COORS ENERGY 40Development Company Coors EnergyReport Date 6/19/854. Antiquities Permit No. 84-UT-54936Responsible Institution BLAIR COUNTY County GrandFieldwork Location: T1N 2 S 15 Range 2 E 69 Section(s) 10 70 71 72 73 74 75 76 77T1N 78 S 81 Range 82 E 85 Section(s) 86 87 88 89 90 91 92 93Resource Area GRAND T1N 94 S 97 Range 98 E 101 Section(s) 102 103 104 105 106 107 108 109PO=POY EXPRESS, BR=BEAR RIVER, PR=PRICE RIVER, WS=WARM SPRINGS  
B=BOOK CLIFFS, H=HOUSE RANGE, SE=SEVIER RIVER  
M=HENRY MOUNTAINS, BE=BEAVER RIVER, DX=DIXIE  
K=KANAB, ES=ESCALANTE, SJ=SAN JUAN, GR=GRAND  
SR=SAN RAFAEL, DM=DIAMOND MOUNTAINFill in spaces 65, 69, 81, 85, 97, 101 Only if:  
V=Vernal Meridian  
H=Hill TownshipDescription of Examination Procedures: Side-scan transect over location and access - ca. 10 acres around locationLinear Miles Surveyed 0.5 and/or 112 117Definable Acres Surveyed 118 and/or 123Legally Undefinable Acres Surveyed 12 11 11

(\*A parcel hard to control locate i.e., center of section)

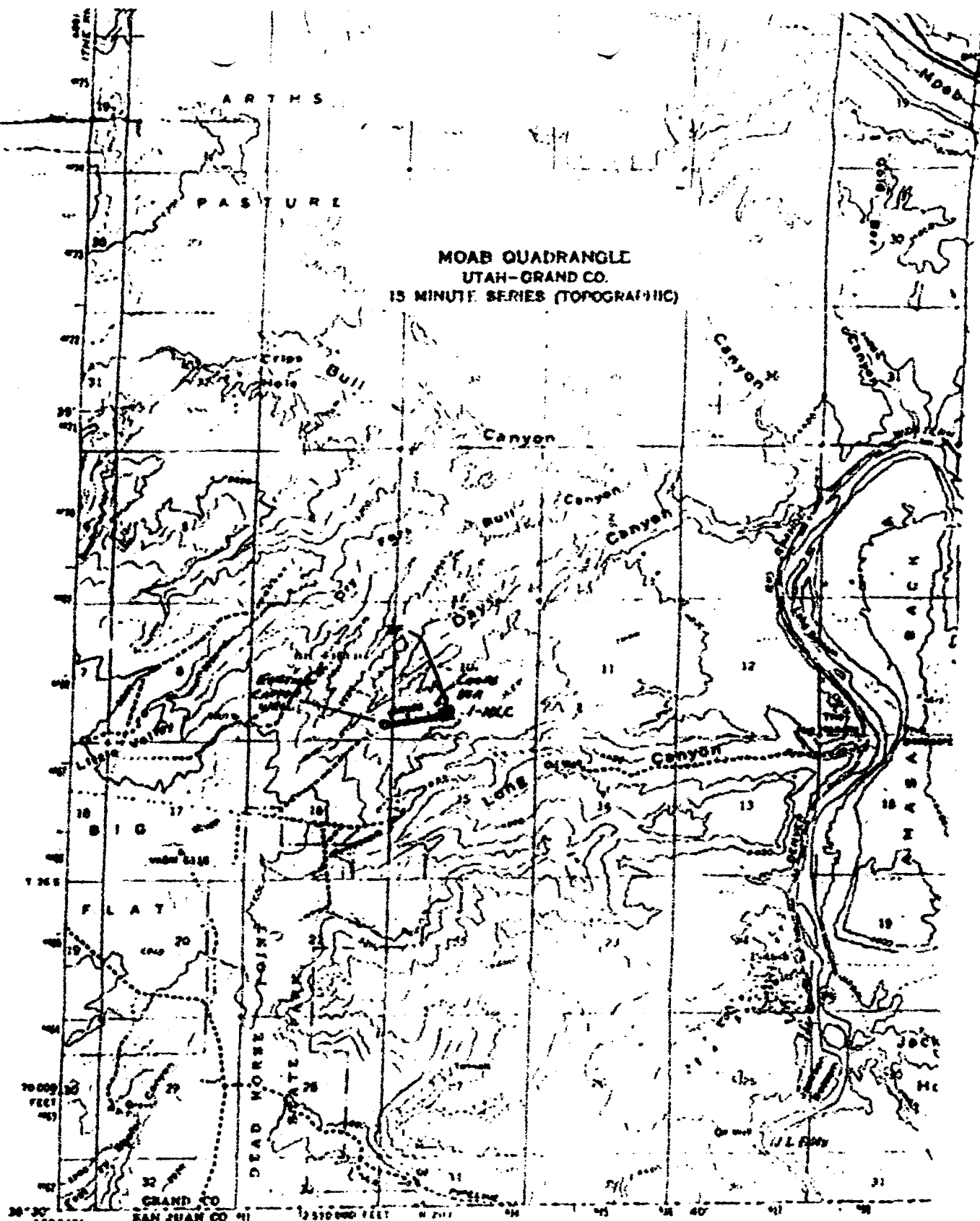
10. Inventory Type 1 130R= Reconnaissance  
I= Intensive  
S= Statistical SampleDescription of Findings (attach appendices, if appropriate) 12. Number Sites Found: 0 131 135  
No sites = 0IF, consisting of two flakes (1 white chert, 1 brown chert), ca. 75' north of well pad area. Artifacts are outside impact area and were not collected. 13. Collection: 136 Yes, No

136

Actual/Potential National Register Properties Affected:  
NoneLiterature Search, Location/Date:  
None 6/6/85, 6/5/85 request to Division of State HistoryConclusion/Recommendations:  
Clearance is recommendedSignature of Administrator & Field Supervisor: Administrator [Signature]Field Supervisor [Signature]

For extra locationals use additional 8100-3 forms.

8100-3  
(2/85)



Mapped, edited, and published by the Geological Survey

Control by USGS and USCGS

Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1953 Field check 1959

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Utah coordinate system  
control zone

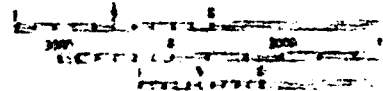
3000-meter Universal Transverse Mercator grid cells,  
zone 12, shown in blue

Red tint indicates area in which only landmark buildings are shown

Notations shown in purple (compiled from aerial photographs)  
taken 1953. The information is for reference

Fourth 15-minute series, information on land use and

See also and 1950 edition of map  
for information at 15-minute



8011

This map comes  
FOR SALE BY U.S. GEOLOGICAL SURVEY  
A FOLDER DESCRIBING TOP

UNIVERSAL DATUM  
1927

LIST OF DIRT CONTRACTORS FOR RESTORATION

Wilkin Contracting Co.  
Highway 666  
Monticello, Utah 84535  
801-587-2423

Canyonlands Contracting  
Moab, Utah 84532  
801-259-7760

Doug Carroll Exploration  
P.O. Box 845  
Moab, Utah 84532  
801-259-6380

D.E. Casada  
Vernal, Utah  
801-789-1020

B&W Construction Co.  
640 West Bartlett  
Moab, UT 84532  
801-259-5670  
801-259-6588 (mobil)

C.M.E.C., Inc.  
C.L. Norton, Manager  
P.O. Box 1781  
Grand Junction, CO 81502  
(303) 242-8014

Crowley Construction  
East Route  
Monticello, Utah 84535  
801-587-2377  
801-587-2738

JBCO Construction  
Wagner Subdivision  
Moab, Utah 84532  
801-259-5316

Knut & Sons  
S. Highway 163  
Moab, Utah 84532  
801-259-6274

*have a water permit*

Oil Field Constructors, Inc.  
Leonard Lewis  
P.O. Box N  
Fruita CO 81521  
(303) 858-7002

Perry McDonald Construction, Inc.  
P.O. Box 1750  
Cortez, CO 81321

Sutherland Brothers Drilling Co.  
P.O. Box 429  
Naturita, CO 81422  
303-865-2563  
801-587-2318

## List #8

## SEED MIXTURE

## Desert

## Semi-Desert

(Area coverage)

N. highway I-70 to first Bench of Bookcliffs  
from Green River to Bar X field. All lands  
So. highway I-70, Black Brush Zones, lands  
west of 163 to the Green River.

SpeciesGrasseslbs/acre

Oryzopsis hymenoides

Indian ricegrass

Hilaria jamesii

Galleta (Curlygrass)

Sporobolus cryptandrus

Sand dropseed

Sitanion hystrix

Bottlebrush squirreltail

Forbs

X Melilotus officinalis

Yellow sweetclover

X Medicago sativa

Alfalfa  
(Spreador II, Nomad, Ladak)Shrubs

Atriplex canescens

Fourwing saltbush  
(White greasewood)

Eurotia lanata

Winterfat (Whitesage)

Broadcast seed will be applied at double the above rate.  
Seeding will be done in the fall of the year (Oct. - Dec.)

## RESOURCE ROADS

### (CLASS III ROADS)

#### SECTION 1

#### SURVEY AND DESIGN

Definition - Resource roads are those existing or proposed roads which serve the development of a very limited area (i.e. one or two oil or gas wells) of a depletable natural resource. When the purpose for which the road was constructed no longer requires access, the road will be rehabilitated unless otherwise directed by BLM.

##### 1. Field Survey Requirements

- (A) Establish a flag line along the route of construction. The flag line shall be sufficiently marked to insure construction control. Flag intervals shall not exceed 100 feet, or be intervisible whichever is less.

##### 2. Design Requirements

All Resource roads constructed by non-government entities across public lands must be designed by or under the direction of a licensed professional engineer. BLM Manual 9113.06 F.

- (A) Design speed 15 mph.
- (B) Travel way width - minimum 16 feet, maximum 20 feet (exceptions may be made to width requirements if approved by BLM prior to construction).
- (C) Minimum horizontal curve radius, 115 feet (maximum degree of curve 50 degrees unless a shorter radius is approved by BLM prior to construction).
- (D) The road shall be outsloped from 2 to 4 percent on side hill sections where the cross slope is greater than 10 percent but less than 65 percent, the road grade is less than 10 percent and the soil contains over 50 percent rock or gravel. On all other side hill sections the road shall have an inside ditch.
- (E) Maximum grade 10 percent (except pitch grades\*).
- (F) Turnouts (on roads having a travel surface width of less than 20 feet) shall be located at intervals of 1,000 feet or within sight distance, whichever is less.

\* Pitch grades are defined as those grades exceeding 10% which are necessary because of topography, i.e. low water crossings. Such grades shall not extend over 300 feet in length, nor shall they be used to circumvent the intent of these stipulations. Maximum pitch grade shall be 16 percent.

RESOURCE ROADS  
(CLASS III ROADS)

SECTION 2

CONSTRUCTION STANDARDS

1. Public Convenience and Safety

The Company shall take all necessary precautions for the protection of the work and safety of the public during construction of the road.

Warning signs shall be posted wherever directed during blasting operations.

2. Clearing and Grubbing

Clearing and grubbing shall be carried out on all sections of the road where side slopes are less than 60 percent.

All clearing and grubbing shall be confined to the limits of actual construction unless otherwise authorized by the BLM. Branches of trees extending over the roadbed shall be trimmed to give a clear height of 16 feet above the roadbed surface. All perishable material resulting from clearing and grubbing operations shall be disposed of as specified at the pre-drill conference.

3. Excavation

Prior to beginning excavation and fill placement operations, all vegetation or debris within the designated limits of the roadway, except such objects as are designated to remain in place, are to be removed and disposed of as provided in Paragraph #2. All suitable material removed during excavation operation shall be used as far as practicable in the formation of the embankments and for other purposes as directed by the BLM, i.e. topsoil, stockpiling.

4. Embankment Construction

Embankment material shall not be placed when either the materials or the surface on which they will be placed are frozen or too wet (as determined by BLM) for satisfactory compaction. The Contractor shall route his construction equipment over the layers of embankment material already in place to avoid uneven compaction anywhere along the travel route.

Borrow material shall not be used until all of the accessible roadway excavation has been placed in the embankments unless otherwise permitted by the BLM.

Roadside ditches shall conform to the slope, grade and shape of the required cross section, with no projections of roots, stumps, rocks or similar matter. Roadside ditches shall be "V" type ditches excavated to a depth of one foot minimum, below finished road surface. Roadside ditch backslopes shall not be cut flatter than 1½:1. Roadside ditch "turn outs" shall be constructed at intervals not exceeding 500 feet when the cross slope does not exceed 5 percent.

All slopes, shoulders and road surfaces shall be finished smoothly and in accordance with the lines and grades shown on the drawings.

5. Drainage Dip Construction

Drainage dips shall be spaced in accordance with the following table:

| <u>Road Grade %</u> | <u>Drainage Dip Spacing in Feet</u> |
|---------------------|-------------------------------------|
| 2                   | 300                                 |
| 4                   | 230                                 |
| 6                   | 200                                 |
| 8                   | 170                                 |
| 10                  | 160                                 |

Culvert pipes shall be used for cross drains on grades in excess of 10 percent.

This table is intended as a guide only and may require adjustment in the field for site-specific conditions.

(A) Construction Requirements

Construction shall be as specified in paragraphs 3 and 4, and as shown on the drawings.

6. Seeding

- (A) The Company shall carry out erosion control items of vegetation establishment during the season established for seeding. Vegetation establishment shall be completed on areas of disturbance as they are completed if actual construction is being accomplished during the seeding season.

Seeding shall be carried out on all of the areas described as follows:

- (1) On cut slopes, and shall extend from the bottom of the ditch to the top of the cut slope.
  - (2) On embankment slopes, and shall extend from the roadway shoulder to the toe of the embankment slope.
  - (3) On all borrow pit areas.
  - (4) On all "side cast" in areas of full bench construction.
- (B) Seeding season shall be from September 15 to December 15, or as otherwise allowed by the BLM.



## SECTION 3

### ROAD MAINTENANCE STANDARDS

The completed road shall be maintained to the following standards as applicable for the term of use.

#### 1. Travel Way

- (A) Roadbed is smooth, free of ruts, chuckholes, rocks, slides, washboards; crowned and/or sloped for drainage.
- (B) Free from excessive accumulation of dust pockets of layers which are a driving hazard or public nuisance.
- (C) Berms shall be absent along the shoulder.
- (D) Soft spots, such as those resulting from springs and seeps, shall be absent.

#### 2. Shoulders

- (A) Shoulders are straight and present a uniform line with the surface free from large rocks, limbs, or stumps.

#### 3. Ditches and Drainage Dips

- (A) Original cross section shall be maintained. Drainage area clear of rocks, slides and sediments.
- (B) Vegetation or sedimentation does not restrict ditch flow or reduce the waterway area.
- (C) Ditch bottom is stable and is not excessively eroded.
- (D) Back slope area above ditches is stable.

#### 4. Other Related Road Features

- (A) Right-of-way free of excessive or objectional litter.

#### 5. Fences, Gates and Cattleguards

- (A) Posts are sound, plumb and secure.
- (B) Wire is tight and securely fastened to the posts.
- (C) Stays are uniformly spaced and vertical between posts and affixed to keep the strands properly spaced.
- (D) Rock deadmen are properly secured to the fence.

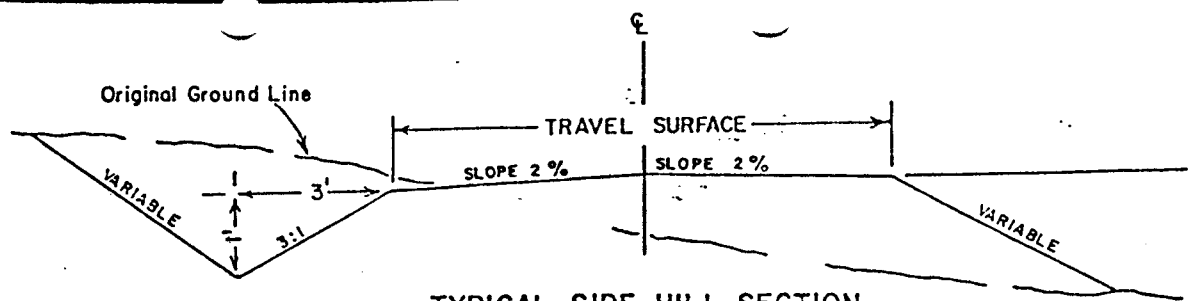
- (E) Gates are free from deterioration, damage to structural sections or loose hardware.
- (F) Cattleguard pits are clean and functional. End wings securely fastened and serviceable. Guard and base in serviceable condition.

6. Fords and Low Crossings

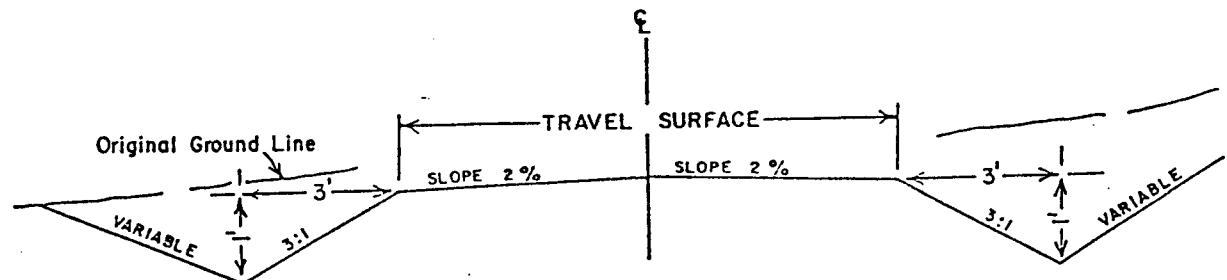
- (A) There is a smooth transition between road and ford.
- (B) No excessive erosion adjacent to the structure.
- (C) The surface of the structure is clear of debris, brush, rocks and sediment.
- (D) Bottom of crossing is level with stream bottom.

7. Safety and Hazard Control

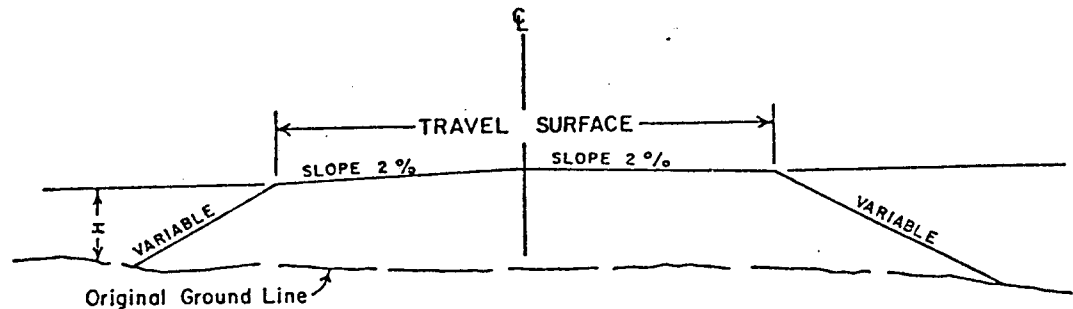
- (A) Sight distance free of shrubs, trees and obstacles and meets design standards.
- (B) Travel way and ditches free of overhanging trees and limbs. No down trees or branches in ditch area.
- (C) No unstable material above the roadway.



TYPICAL SIDE HILL SECTION



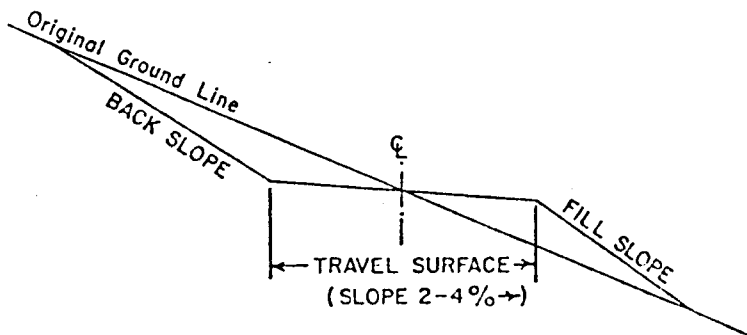
TYPICAL FULL CUT SECTION



TYPICAL EMBANKMENT SECTION

| Soil Conditions | Natural Ground Slope | Back Slope |
|-----------------|----------------------|------------|
| Normal Soil     | 0 - 30 %             | 1 1/2 : 1  |
| Normal Soil     | 30 - 55 %            | 1 : 1      |
| Normal Soil     | 55 % and over        | 3/4 : 1    |
| Solid Rock      | All Slopes           | 1/4 : 1    |

When the cuts are relatively shallow (under 4 feet), flatter slopes of 2 to 1 or 3 to 1 may be used.



TYPICAL OUTSLOPED SECTION

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

### TYPICAL ROAD SECTIONS (Class III)

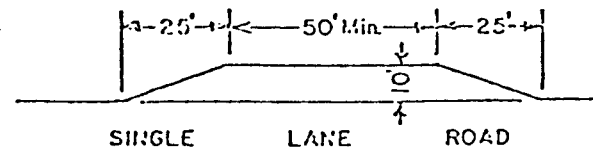
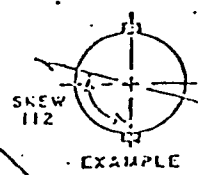
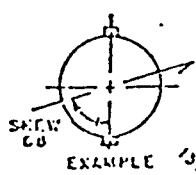
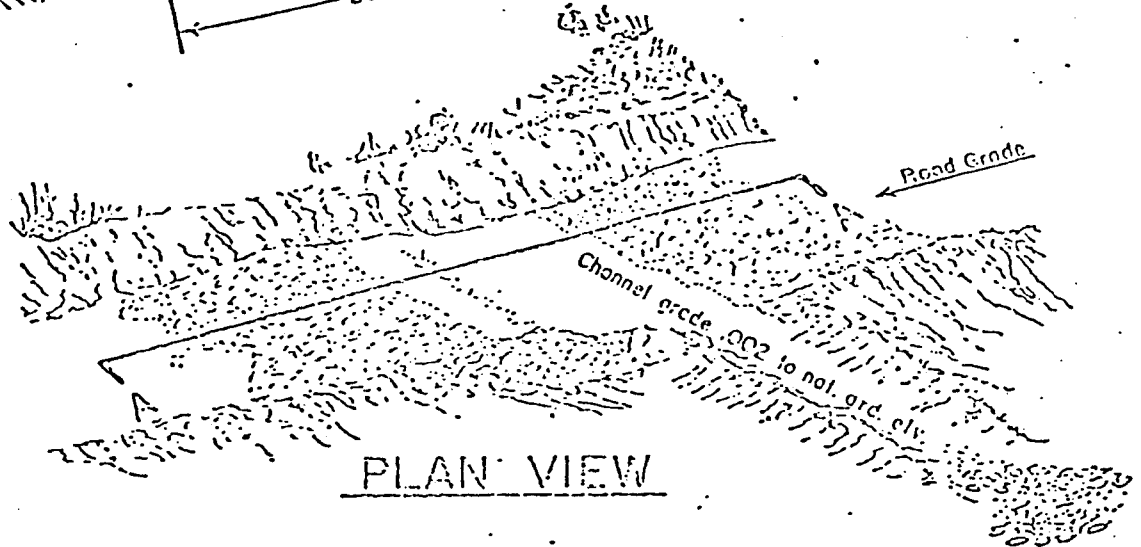
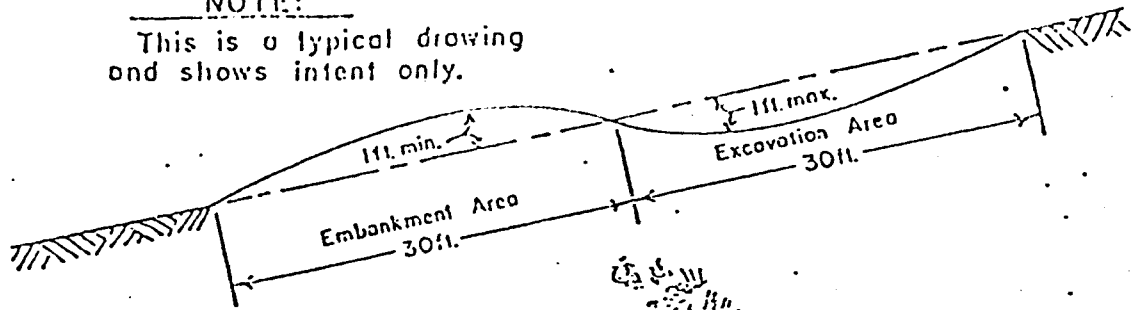
|                        |                                 |
|------------------------|---------------------------------|
| DESIGNED <u>R.A.D.</u> | RECOMM. _____                   |
| DRAWN <u>J.H.S.</u>    | RECOMM. <u>Robert A. Dallas</u> |
| CHECKED <u>R.A.D.</u>  | APPROVED <u>Colin P. Chitt</u>  |

|   |
|---|
| SCALE NONE  |
| DATE <u>8-5-81</u>   SHEET <u>   </u> OF <u>   </u> |
| DRAWING NO. _____                                   |

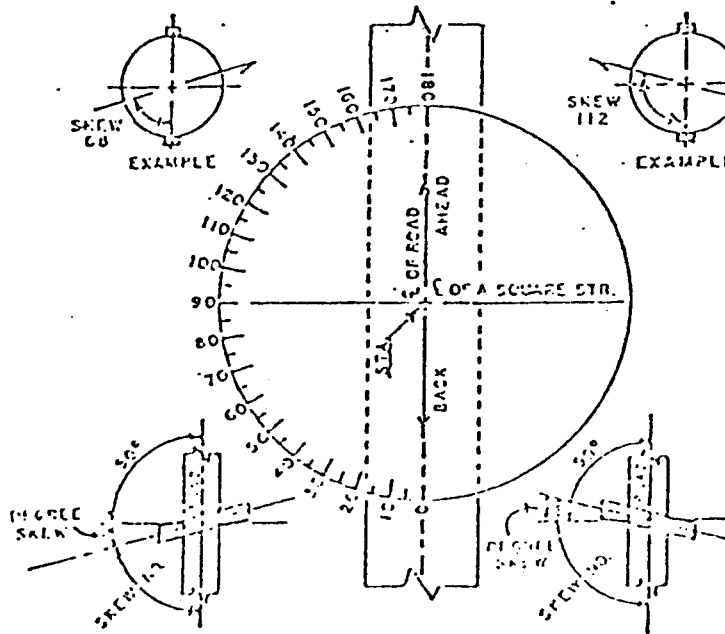
# TYPICAL DRAINAGE DIP SECTION A-A

## NOTE:

This is a typical drawing  
and shows intent only.



## TYPICAL TURNOUT



U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## TYPICAL ROAD SECTIONS

|               |                                |
|---------------|--------------------------------|
| DESIGNED BY   | RECOMM.                        |
| DRAWN BY JLS  | RECOMM. <i>Robert G. Bull</i>  |
| CHECKED BY AD | APPROVED <i>Robert G. Bull</i> |

|             |
|-------------|
| SCALE NONE  |
| DATE 3-5-01 |
| DRAWING NO. |

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed

by: \_\_\_\_\_ and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

6-11-85

Date

\_\_\_\_\_  
Name and Title

ONSITE

DATE:

6/11/85

PARTICIPANTS:

TITLES:

JEFF Robbins  
Jake Green  
Beverly McGowan

BLM - Natural Resource Specialist  
Coors Energy Co. - Supervisor  
BLM Wildlife

Your contact with the District Office is:

Greg Noble

Office Phone:

801-259-6111

City:

MOAB

State:

Utah

Resource Area Manager's address and contacts are:

Address:

P.O. Box M, Moab, Utah 84532

Your contact is:

JEFF Robbins (Elmer Duncan)

Office Phone:

JEFF Robbins

d. Other: contact Grand County for a road permit

2. Planned Access Roads:

a. The maximum total disturbed width will be 20 feet.

b. Maximum grades: 3%

c. Turnouts: None

d. Location (centerline):

e. Drainage: None

f. Surface Materials: Dirt & Rock

g. Other: built to class III Road standards

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

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If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:

Water will be pumped in by truck - pumping  
line will have permit from BLM. Well side of  
location, distance will be 37 miles.

A temporary water use permit for this operation will be obtained from the Utah State Engineer:

Div. of water rights  
801-637-1703; Mark Page; P.O. Box 718, Price, UT 84501

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from:

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The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

7. Methods of Handling Water Disposal:

The reserve pit (will/will not) be lined"

An inspection will be made to determine whether  
to use liner or bentonite

Three sides of the reserve pit will be fenced with 3-strand  
barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by: trash cage

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If burning is required, a permit will be obtained from the State Fire Warden 801-259-6316.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

Other:

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8. Anticipated Starting Dates and Notification of Operations:

The operator will contact the GRAND Resource Area at 801-259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date (will/will not) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be

obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4 feet tall, build up soil  
material over cellar

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

operator's name  
"Fed" or "~~Ind~~", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

## B. THIRTEEN-POINT SURFACE USE PLAN

### 1. Existing Roads:

a. Location of proposed well in relation to town or other reference point:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. Proposed route to location:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c. Plans for improvement and/or maintenance of existing roads:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used:

*Hilaria Jamesii*  
*Micholotus officinalis*  
*Medicago sativa*  
*Eurotia lanata*

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

Additional Requirements:

UT-060-3160-1  
(April 1984)

BUREAU OF LAND MANAGEMENT  
MOAB DISTRICT  
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company COORS Energy CO Well No. F-10LC  
Location: Sec. 10 T. 26 S R. 20 E Lease No. U-49391  
Onsite Inspection Date 6/11/85

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Estimated Depth at Which Oil, Gas, Water, or Mineral-Bearing Zones Are Expected to Be Encountered:

|                         | <u>Formation</u> | <u>Depth</u> |
|-------------------------|------------------|--------------|
| Expected oil zones:     | _____            | _____        |
| Expected gas zones:     | _____            | _____        |
| Expected water zones:   | _____            | _____        |
| Expected mineral zones: | _____            | _____        |

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. ~~The Resource Area will be notified \_\_\_\_\_ days in advance when pressure tests are to be conducted.~~

4. Casing Program and Auxiliary Equipment: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area (will/will not) be notified \_\_\_\_\_ days in advance when running casing strings and cement.

5. Mud Program and Circulating Medium: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

Blooe line will be misted to reduce fugitive dust when air drilling.

6. Coring, Logging, and Testing Program: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data opbtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

8. Ancillary Facilities:

Camp facilities (will/will not) be required. They will be located:

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9. Well Site Layout:

The reserve pit will be located:

site layout Rotated 224° SE; Reserve pit located  
SW of hole; dimensions 25' X 100'

The top \_\_\_\_\_ inches of soil material will be removed from the  
location and stockpiled separately on  
between stations 2 and 3 (map?) and between station  
7 and the drainages along with the trees.

Topsoil along the access road will be reserved in place adjacent to  
the road.

Access to the well pad will be from:

northwest between pit station R and well site  
station 7

The trash pit will be located:

SE area of pad trash cage

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location, and  
surrounding areas will be cleared of all remaining debris, materials,  
trash, and junk not required for production.

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Before any dirt work to restore the location and surrounding area  
will be cleared of all remaining debris, materials, trash and junk  
not required for production.

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The operator or his contractor (will/will not) notify the \_\_\_\_\_  
Resource Area at 361-259-8197  
forty-eight (48) hours before starting reclamation work that involves  
earthmoving equipment and upon completion of restoration measures.

11. Surface and Mineral Ownership:

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12. Other Information:

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There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance (will/will not) be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative:

Name: 

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Address: 

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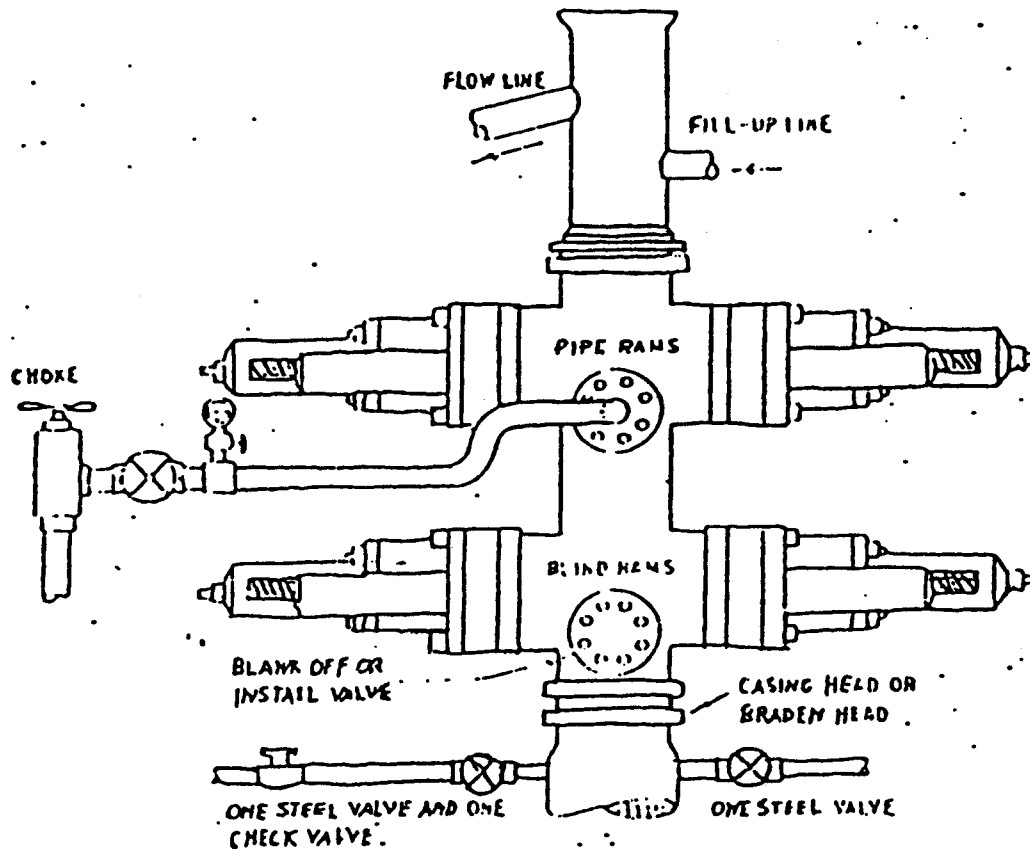
Phone No: 

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A) oil field traffic will use hwy, county Rd, and existing road to location and not use long canyon.

B) Drilling rig will move in and out only during the ~~weekend~~ days

## SPECIAL BOP INSTRUCTIONS



### THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate blowout preventer with lower rams blind and upper rams for pipe, all hydraulically controlled, opening on preventers between rams.
- B. Opening to be flanged, studded or clamped and at least two inches diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOPs.
- F. Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on Rig floor.
- H. Choke may be either positive or adjustable.  
A choke spool may be used between preventers.
- I. Casinghead or bradenhead flange will be 10" API Series 900
- J. After each string of casing is run, BOP and casinghead will be tested to 1000 psi.  
Pipe ram operation will be checked every 24 hours & blind rams checked every trip.





CERTIFICATION BY OPERATOR'S FIELD REPRESENTATIVE

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true, complete, and correct; and that the work associated with this plan will be carried on by Adolph Coors Company, and its contractors and subcontractors, in conformity with the plan and the terms and conditions under which it is approved.

6-18-85  
Date

R. L. Martin  
R. L. Martin  
Vice President, Oil & Gas Production

kr

EXHIBIT "K"

OPERATOR Crow Energy Co. DATE 6-26-85  
WELL NAME Crow USB 1-10 LC  
SEC SE/SW 10 T 26S R 20E COUNTY Shel

43-019-31190  
API NUMBER

Ind  
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

No other wells within 1000'

Need water permit

Need exception for request

APPROVAL LETTER:

SPACING: ☐ A-3 UNIT

☐ c-3-a CAUSE NO. & DATE

☐ c-3-b

☒ c-3-c

STIPULATIONS:

1- Water

2- Exception for.

3- Cr 23



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 2, 1985

Coors Energy Company  
P. O. Box 467  
Golden, Colorado 80402

Gentlemen:

Re: Well No. Coors USA 1-10LC - SE SW Sec. 10, T. 26S, R. 20E  
967' FSL, 2095' FWL - Grand County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 500 feet of the proposed location.
3. Special attention is directed to compliance with Rule C-23 in the General Rules and Regulations and Rules of Practice and Procedure which prescribes drilling procedures for potash designated areas.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2  
Coors Energy Company  
Well No. Coors USA 1-10LC  
July 2, 1985

4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31190.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. J. Firth', is written over the printed name.

R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals



July 16, 1985

RECEIVED

JUL 18 1985

Mr. Ron Firth  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

DIVISION OF OIL  
GAS & MINING

Re: USA 1-10LC  
Section 10, T26S-R20E  
Additional Information for State Approval to Drill

Dear Ron:

Coors Energy Company and E.P. Operating Company (the designated operator) requests approval for an exception to Rule C-3(b) of the State of Utah, Board of Oil, Gas and Mining rules and regulations pertaining to general well spacing requirements.

Coors and E.P. cannot locate this well farther than 500' from the lease line due to the rough topography of the area. As shown on the attached topographic map, it is not possible to move the location any farther to the west due to a steep ledge trending northwest-southeast.

In reference to the verification of ownership, please see the attached Assignment of Lease from Davis Oil Company to Coors Energy Company for the SE/4 and NE/4 of Section 10, T26S-R20E. Note that Coors has leased all of Section 10, T26S-R20E.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 7/19/85  
BY: John R. Bays

Page 2  
USA 1-10LC  
Additional Information for Permit to Drill

Also find attached a copy of the Designation of Operator from Coors Energy Company to E.P. Operating Company. E.P. will be drilling this well as operator even though the permits are in the name of Coors Energy Company. The E.P. contact is:

Mr. Dusty Kinchen  
E.P. Operating Company  
7800 Stemmons Freeway, Suite 500  
Dallas, Texas 75247  
(214) 630-8711

Mr. Kinchen will notify you of spud date and file the appropriate State forms as stipulated in the July 2, 1982 letter of approval. If you have any further questions, please feel free to contact me at (303) 278-7030. Thank you.

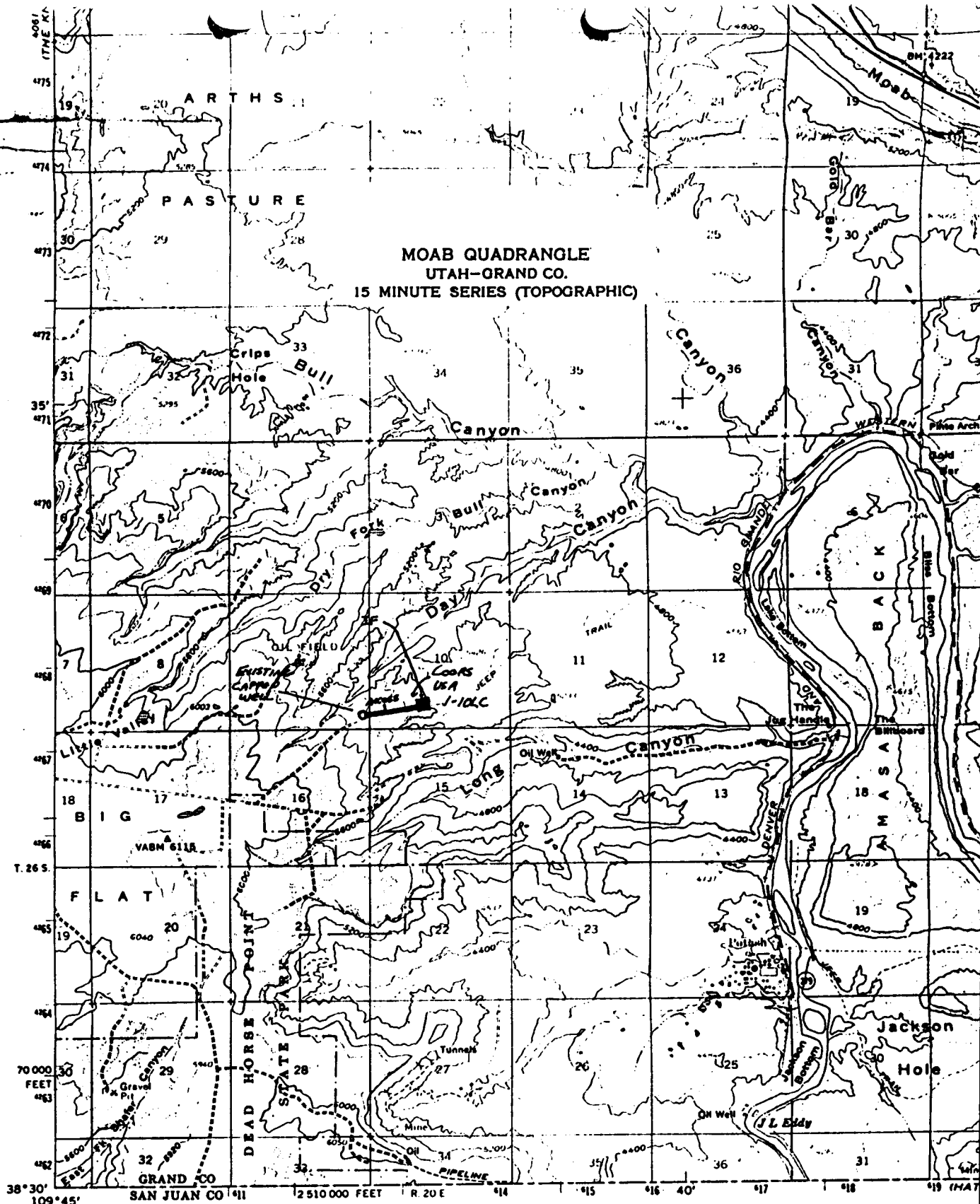
Very truly yours,



R. L. Martin  
Vice President  
Oil & Gas Operations

RLM:kr

Attachments



Mapped, edited, and published by the Geological Survey

-Control by USGS and USC&GS

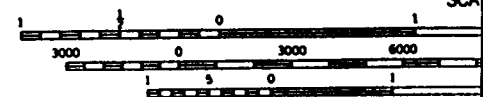
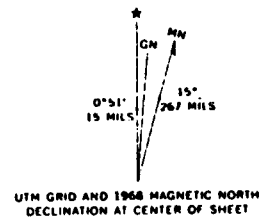
Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1953. Field check 1959

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Utah coordinate system,  
central zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 12, shown in blue

Red tint indicates area in which only landmark buildings are shown

Revisions shown in purple compiled from aerial photographs  
taken 1968. This information not field checked

Purple tint indicates extension of urban areas



CONTOUR  
DOTTED LINES REF  
DATUM 1

THIS MAP COMPLIES WITH N  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DE  
A FOLDER DESCRIBING TOPOGRAPHIC

UPHEAVAL DOME  
1000 IV

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Utah  
SERIAL NO.: U-49391

and hereby designates

NAME: Coors Energy Company

ADDRESS: P.O. Box 467

Golden, Colorado 80402

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 26 South, Range 20 East, SLM, Utah

Section 10: SW $\frac{1}{4}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$

Section 15: NW $\frac{1}{4}$

Containing 360.00 acres, more or less.  
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

ADOLPH COORS COMPANY

By: Max W. Goodwin

(Signature of lessee)

Max W. Goodwin

Executive Vice President

Golden, Colorado 80401

(Address)

June 28, 1985

(Date)



File in Duplicate

DIVISION OF OIL, GAS AND MINING  
OF THE STATE OF UTAH


DESIGNATION OF AGENT  
\*\*\*\*\*

The undersigned producer, operator, ~~transporter, refiner, gasoline or initial purchaser~~ who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas and Mining of the State of Utah, hereby appoint E P Operating Company, whose address is P.O. Box 2649, Dallas Texas 75221, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah, only for the drilling and related operations of the Coors USA 1-10 LC well (SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 10, T26S-R20E).

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation July 5, 1985

Company Coors Energy Company Address P.O. Box 467, Golden Colorado 80402

By  Title President  
(signature)

NOTE: Agent must be a resident of the State of Utah

E P Operating Company, a Limited Partnership; formerly Enserch Exploration, Inc. is licensed to conduct business in the State of Utah.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Utah  
SERIAL NO.: U-49391

and hereby designates

NAME: E P Operating Company, a Limited Partnership  
ADDRESS: P.O. Box 2649, Dallas, Texas 75221

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 26 South, Range 20 East, S.L.M.  
Section 10: SW $\frac{1}{4}$   
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

COORS ENERGY COMPANY

By: Stephen B. Church

(Signature of lessee)

Stephen B. Church  
Vice President

P.O. Box 467, Golden, CO 80402  
(Address)

July 5, 1985  
(Date)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and theretodoes not require OMB approval.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE

FORM APPROVED  
OMB NO. 1004-0034  
Expires: August 31, 1985

|                         |              |
|-------------------------|--------------|
| Lease Serial No.        | U-53046      |
| Lease effective date    | July 1, 1983 |
| FOR BLM OFFICE USE ONLY |              |
| New Serial No.          |              |

PART I

|                            |  |
|----------------------------|--|
| Assignee's Name            | COORS ENERGY COMPANY                   |
| Address (include zip code) | P.O. Box 467<br>Golden, Colorado 80402 |

The undersigned, as owner of 100.0 percent of the record title of the above-designated oil and gas lease, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

|  |   |
|--|---|
| Describe the lands affected by this assignment   | Assignment approved as to lands described below   |
| Township 26 South, Range 20 East, SLM.<br>Section 10: NE/4<br>Grand County, Utah<br>Containing 160.00 acres, more or less. | SAME LAND AS ITEM 2<br><br>RECEIVED<br><br>JUL 18 1985<br><br>DIVISION OF OIL<br>GAS & MINING |

STATE OF UTAH )  
COUNTY OF SALT LAKE ) ss.

On this day of JUN 27 1985, before me appeared Robert Lopez, to me personally known, who being by me duly sworn did say that he is Chief of the Minerals Adjudication Section, Bureau of Land Management, and that the original of the foregoing instrument was signed on behalf of said Bureau, and that he acknowledged said instrument to be the free and voluntary act of said Bureau.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the month, day, and year first above written.

*Robert M. McKenna*  
Notary Public  
324 South State Street, Suite 301  
Salt Lake City, Utah 84111-2303

My Commission Expires: OCT 18 1986

UT 3100-82a (3/85)

Denver CO 80202-4472  
(City) (State) (Zip Code)

I, the undersigned, do hereby certify that the foregoing is a true and correct copy of the original as shown to me, and that I am not aware of any person knowingly and willfully to make to any department or agency of the United States any false or misleading statement or representation as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

By *Robert Lopez*  
(Authorized Officer)

Chief, Minerals  
Adjudication Section

JUN 27 1985

(Title)

(Date)

These are exact reproductions on one sheet of both sides of this official form in accordance with the instructions.

## PART II

## ASSIGNEE'S REQUEST FOR APPROVAL OF ASSIGNMENT

- ASSIGNEE CERTIFIES THAT the assignee and all other parties in interest in the assignment are:
- Citizens of the United States or qualified alien stockholders in a domestic corporation, association of the United States or any State or Territory thereof; or municipalities.
  - Of the age of majority in the State where the lands to be assigned are located.
  - In compliance with the acreage limitation set forth in 43 CFR 3101.1-5 and 3101.2-4.
- ASSIGNEE AGREES That, upon approval of this assignment by the authorized officer of the Bureau of Land Management, he will be bound by the terms and conditions of the lease described herein as to the lands covered by this assignment, including, but not limited to, the obligation to pay all rentals and royalties due and accruing under said lease, to condition all wells for proper abandonment, to restore the leased lands upon completion of any drilling operations as prescribed in the lease, and to furnish and maintain such bond as may be required by the lessor to assure compliance with the terms and conditions of the lease and the applicable regulations.
- IT IS HEREBY CERTIFIED That the statements made herein are true, complete, and correct to the best of undersigned's knowledge and belief and are made in good faith.

executed this 21st day of June, 1985

COORS ENERGY COMPANY

By: Stephen B. Church  
(Assignee's Signature)

Stephen B. Church, Vice President

P.O. Box 467

(Assignee's Address)

Golden  
(City)

Colorado  
(State)

80402  
(Zip Code)

title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

## INSTRUCTIONS

- USE OF FORM - Use only for assignment of record title interest in oil and gas leases. If more than one assignment is made out of a lease, a separate instrument of transfer is required for each assignment. A separate instrument of assignment shall be used for each lease out of which an assignment is made.
- FILING AND NUMBER OF COPIES - File three (3) completed and manually signed copies in the appropriate BLM office. A \$25.00 nonrefundable filing fee *must* accompany the assignment. File assignment within ninety (90) days *after* date of final execution.
3. EFFECTIVE DATE OF ASSIGNMENT - Assignment, if approved, takes effect on the first day of the month following the date of filing of *all* required papers. If bond is necessary, it *must* be furnished prior to approval of the assignment.
4. EFFECT OF ASSIGNMENT - Approval of assignment of a definitely described portion of the leased lands creates separate leases of the retained and the assigned portions. It does *not* change the terms and conditions of the lease or the lease anniversary date for purposes of payment of annual rental.
5. A copy of the lease out of which this assignment is made should be obtained from the assignor.

STATE OF COLORADO )  
 ) SS  
COUNTY OF DENVER )

The foregoing instrument acknowledged before me this 21st day of May, 1985, by Paul Messinger, Attorney In Fact for DAVIS OIL COMPANY, a Partnership.

Witness my hand and official seal.

My Commission Expires:  
April 8, 1986

Joan Pittman  
Notary Public  
1200 Holly - Denver, Colorado 80220

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE

FORM APPROVED  
OMB NO. 1004-0034  
Expires: August 31, 1985

Lease Serial No.

U-53046

Lease effective date

July 1, 1983

FOR BLM OFFICE USE ONLY

New Serial No.

PART I

1. Assignee's Name

COORS ENERGY COMPANY

Address (include zip code)

P.O. Box 467  
Golden, Colorado 80402

The undersigned, as owner of 100.0 percent of the record title of the above-designated oil and gas lease, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment

Assignment approved as to lands described below

Township 26 South, Range 20 East, SLM.

Section 10: NE/4

Grand County, Utah

Containing 160.00 acres, more or less.

SAME LAND AS ITEM 2

Specify interest or percent of assignor's record title interest being conveyed to assignee

100.0%

Specify interest or percent of record title interest being retained by assignor, if any

NONE

Specify overriding royalty being reserved by assignor

NONE

Specify overriding royalty previously reserved or conveyed, if any

7.5%

7. If any payments out of production have previously been created out of this lease, or if any such payments are being reserved under this assignment, attach statement giving full details as to amount, method of payment, and other pertinent terms as provided under 43 CFR 3106.

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17 1/2 percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 21st day of May, 1985

DAVIS OIL COMPANY, a Partnership

By Paul Messinger  
(Assignor's signature)  
Paul Messinger, Attorney in Fact

410 Seventeenth Street, Suite 1400  
(Assignor's Address)

Denver CO 80202-4472  
(City) (State) (Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

JUL 01 1985

Assignment approved effective

By Robert Lopez  
(Authorized Officer)

Chief, Minerals  
Adjudication Section

JUN 27 1985

(Title)

(Date)

NOTE: This form may be reproduced provided that copies are exact reproductions on one sheet of both sides of this official form in accordance with provisions of 43 CFR 3106.

D-11342

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE

FORM APPROVED  
OMB NO. 1004-0034  
Expires: August 31, 1985

Lease Serial No.

U-44014

Lease effective date

December 1, 1979

FOR BLM OFFICE USE ONLY

New Serial No.

PART I

1. Assignee's Name

COORS ENERGY COMPANY

Address (include zip code)

P.O. Box 467  
Golden, Colorado 80402

The undersigned, as owner of 100.0 percent of the record title of the above-designated oil and gas lease, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment

Assignment approved as to lands described below

T. 26 S., R. 20 E., SLM

Sec. 4: Lots 1, 2, 3, 4, 5, 6, 7, 8,  
S/2N/2, N/2S/2, SE/4SE/4

Sec. 10: E/2NW/4, SE/4

Sec. 15: E/2E/2

Grand County, Utah

Containing 995.76 acres, more or less.

SAME LAND AS ITEM 2.

Specify interest or percent of assignor's record title interest being conveyed to assignee

100.0%

Specify interest or percent of record title interest being retained by assignor, if any

NONE

Specify overriding royalty being reserved by assignor

NONE

Specify overriding royalty previously reserved or conveyed, if any

8.0%

If any payments out of production have previously been created out of this lease, or if any such payments are being reserved under this assignment, attach statement giving full details as to amount, method of payment, and other pertinent terms as provided under 43 CFR 3106.

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17 1/2 percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 21st day of May, 1985

DAVIS OIL COMPANY, a Partnership

By Paul Messinger  
(Assignor's Signature)  
Paul Messinger, Attorney in Fact

410 Seventeenth Street, Suite 1400

(Assignor's Address)

SEE ATTACHED FOR ADDITIONAL  
ASSIGNORS

Denver

CO

80202-4472

(City)

(State)

(Zip Code)

U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

Approved effective JUL 01 1985

By

Chief, Minerals  
Adjudication Section

(Title)

JUN 27 1985

(Date)

This form may be reproduced provided that copies are exact reproductions on one sheet of both sides of this official form in accordance with provisions of 43 CFR 3106.

D-8945

PART II  
ASSIGNEE'S REQUEST FOR APPROVAL OF ASSIGNMENT

- A. ASSIGNEE CERTIFIES THAT the assignee and all other parties in interest (as defined in 43 CFR 3100.0-5(b)) in this assignment are:
1. Citizens of the United States or qualified alien stockholders in a domestic corporation; associations of the United States; or any State or Territory thereof; or municipalities.
  2. Of the age of majority in the State where the lands to be assigned are located.
  3. In compliance with the acreage limitation set forth in 43 CFR 3101.1-5 and 3101.2-4.
- B. ASSIGNEE AGREES That, upon approval of this assignment by the authorized officer of the Bureau of Land Management, he will be bound by the terms and conditions of the lease described herein as to the lands covered by this assignment, including, but not limited to, the obligation to pay all rentals and royalties due and accruing under said lease, to condition all wells for proper abandonment, to restore the leased lands upon completion of any drilling operations as prescribed in the lease, and to furnish and maintain such bond as may be required by the lessor to assure compliance with the terms and conditions of the lease and the applicable regulations.
- C. IT IS HEREBY CERTIFIED That the statements made herein are true, complete, and correct to the best of undersigned's knowledge and belief and are made in good faith.

Executed this 21st day of June, 1985

COORS ENERGY COMPANY

By: Stephen B. Church  
(Assignee's Signature)

Stephen B. Church, Vice President

P.O. Box 467

(Assignee's Address)

Golden

(City)

Colorado

(State)

80402

(Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

INSTRUCTIONS

- |   |  |
|---|--|
| <p>1. USE OF FORM - Use only for assignment of record title interest in oil and gas leases. If more than one assignment is made out of a lease, a separate instrument of transfer is required for each assignment. A separate instrument of assignment shall be used for each lease out of which an assignment is made.</p> <p>2. FILING AND NUMBER OF COPIES - File three (3) completed and manually signed copies in the appropriate BLM office. A \$25.00 nonrefundable filing fee must accompany the assignment. File assignment within ninety (90) days after date of final execution.</p> | <p>3. EFFECTIVE DATE OF ASSIGNMENT - Assignment, if approved, takes effect on the first day of the month following the date of filing of all required papers. If bond is necessary, it must be furnished prior to approval of the assignment.</p> <p>4. EFFECT OF ASSIGNMENT - Approval of assignment of a definitely described portion of the leased lands creates separate leases of the retained and the assigned portions. It does not change the terms and conditions of the lease or the lease anniversary date for purposes of payment of annual rental.</p> <p>5. A copy of the lease out of which this assignment is made should be obtained from the assignor.</p> |
|---|--|

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this assignment and request for approval.

AUTHORITY: 30 U.S.C. 181 et. seq.

PRINCIPAL PURPOSE - The information is to be used to process the assignment and request for approval.

ROUTINE USES:

- (1) The adjudication of the assignee's rights to the land or resources.
- (2) Documentation for public information in support of notations made on land status records for the management, disposal, and use of public lands and resources.
- (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - If all the information is not provided, the assignment may be rejected.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that:

Bureau of Land Management collects this information pursuant to the law (see 43 CFR 3106-3(c)).

Bureau of Land Management uses the information to create a record of lease assignment and to determine the qualifications of assignees.

Federal lessee is obligated to report this information under provisions of 43 CFR 3106.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN  
(Other Instru  
verse side)

TE  
re

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

|  |  |  |  |
|--|--|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 7. UNIT AGREEMENT NAME<br>NA   |  |
| 2. NAME OF OPERATOR<br>EP Operating Company  |  | 8. FARM OR LEASE NAME<br>Coors USA   |  |
| 3. ADDRESS OF OPERATOR<br>7800 Stemmons Frwy - Suite 500 - Dallas, Texas   |  | 9. WELL NO.<br>1-10 LC   |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>2095' FWL & 967' FSL<br>SE-SW |  | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat  |  |
| 14. PERMIT NO.<br>API 43-019-31190   |  | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5634' GR                             |  |
|  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Section 10, T26S-R20E<br>S.L.B.&M. |  |
|  |  | 12. COUNTY OR PARISH<br>Grand  |  |
|  |  | 13. STATE<br>Utah  |  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: |                                     | SUBSEQUENT REPORT OF: |                          |
|-------------------------|-------------------------------------|-----------------------|--------------------------|
| TEST WATER SHUT-OFF     | <input type="checkbox"/>            | WATER SHUT-OFF        | <input type="checkbox"/> |
| FRACTURE TREAT          | <input type="checkbox"/>            | FRACTURE TREATMENT    | <input type="checkbox"/> |
| SHOOT OR ACIDIZE        | <input type="checkbox"/>            | SHOOTING OR ACIDIZING | <input type="checkbox"/> |
| REPAIR WELL             | <input type="checkbox"/>            | (Other)               | <input type="checkbox"/> |
| (Other)                 | <input type="checkbox"/>            |                       |                          |
| PULL OR ALTER CASING    | <input type="checkbox"/>            | REPAIRING WELL        | <input type="checkbox"/> |
| MULTIPLE COMPLETE       | <input type="checkbox"/>            | ALTERING CASING       | <input type="checkbox"/> |
| ABANDON*                | <input type="checkbox"/>            | ABANDONMENT*          | <input type="checkbox"/> |
| CHANGE PLANS            | <input checked="" type="checkbox"/> |                       |                          |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The surface casing string was proposed as follows:

400', 13-3/8", 54# casing in a 17-1/2" hole - 300sx

We request a change to the following:

1000', 13-3/8", 48# casing in a 17-1/2" hole - cemented to surface

Our experience in the area has shown 1000' of surface pipe to be necessary to fully case off the Chinle and Moenkopi which cause lost circulation and hole stability problems. The 48# casing is adequate for the conditions anticipated.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

Federal approval of this action  
is required before commencing  
operations.

DATE: 7/22/85  
BY: John R. Bays

18. I hereby certify that the foregoing is true and correct

SIGNED: C. H. Peeples TITLE: Regional Drilling Manager DATE: July 19, 1985

(This space for Federal or State office use)

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |  |   |
|--|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Federal U-49391                                  |
| 2. NAME OF OPERATOR<br>EP Operating Company <u>Coors</u> (214) 630-8711  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>N/A   |
| 3. ADDRESS OF OPERATOR<br>7800 Stemmons Frwy., Suite #500, Dallas, Texas 75247   |  | 7. UNIT AGREEMENT NAME<br>N/A   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>2095' FWL & 967' FSL<br>SE - SW |  | 8. FARM OR LEASE NAME<br>Coors USA  |
| 14. PERMIT NO.<br>API 43-019-31190   |  | 9. WELL NO.<br>1-10 LC  |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5634' GR   |  | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat   |
|  |  | 11. SEC., T., R., M., OR BLK. AND SUBST OR AREA<br>Section 10, T-26-S,<br>R-20-E, SLB&M |
|  |  | 12. COUNTY OR PARISH<br>Grand   |
|  |  | 13. STATE<br>Utah   |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

|  |   |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         |
| (Other) <input type="checkbox"/>             |   |

SUBSEQUENT REPORT OF:

|  |  |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>          |
| FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/>         |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| (Other) <u>Spudding</u>                        |  |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded 17-1/2" surface hole at 5:00 PM, 8/31/85.  
Drilling at 168'.

RECEIVED

SEP 09 1985

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED C. H. Peeples  
C. H. Peeples  
(This space for Federal or State office use)

TITLE Regional Drilling Manager

DATE 9/3/85

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

ATTN: COMPUTER ROOM



DRESSER ATLAS DIVISION, DRESSER INDUSTRIES, INC.

1532 METRO BANK BUILDING

DENVER, COLORADO

303/293-0613 80202

OCT 30 1985

TO:

State of Utah  
Div. of Oil, Gas & Mining  
355 West North Temple  
Three Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

DIVISION OF OIL  
GAS & MINING

DATE:

10-28-85

SUBJECT

DCC#: 3302

RE: ACSIG

TO WHOM IT MAY CONCERN:

ENCLOSED IS WELL LOG DATA. PLEASE ACKNOWLEDGE RECEIPT OF THE MATERIAL DESCRIBED BELOW BY SIGNING AND RETURNING THIS LETTER. YOUR COOPERATION WILL BE MOST APPRECIATED. THANK YOU. *sent 10-30-85*

WELL

DATA

COMPANY: E.P. Operating Co.

WELL: Coors USA No. 140-1C

FIELD: Kane Creek Prospect

COUNTY, STATE: Grand, Utah

TRANSMITTED BY:

(MAIL)

AIRFREIGHT (#): \_\_\_\_\_

COUNTER TO COUNTER (#): \_\_\_\_\_

FEDERAL EXPRESS (#): \_\_\_\_\_

EXPRESS MAIL (#): \_\_\_\_\_

HAND DELIVERY (BY): \_\_\_\_\_

\_\_\_\_\_ 600' TAPE REEL

\_\_\_\_\_ COMPUTER LISTER

\_\_\_\_\_ SEPIA PRINT (S)

\_\_\_\_\_ VERSATEC PLOT(S)

\_\_\_\_\_ DATA SHEET (S)

\_\_\_\_\_ 1 LOG PRINT (S)

\_\_\_\_\_ FILM (S)

\_\_\_\_\_ BOOK (S)

SINCERELY,

*Sydney Potter*

\*\*\* RECEIVED BY: Juli Lewis

\*\*\* DATE RECEIVED: 10/30/85

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

NOV 04 1985

DIVISION OF OIL  
GAS & MINING

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Dry Hole

2. NAME OF OPERATOR  
EP Operating Company

3. ADDRESS OF OPERATOR  
7800 Stemmons Frwy., Suite 500 - Dallas, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
2095' FWL & 967' FSL  
SE-SW

14. PERMIT NO.  
API 43-019-31190

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5634' GR

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-49391

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Coors USA

9. WELL NO.

1-10LC

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 10, T26S-R20E  
S. L. B. & M.

12. COUNTY OR PARISH 13. STATE

Grand

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Drilling Operations

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Report of Operations during September, 1985

Finished drilling 17-1/2 inch hole to 1000 feet and ran 13-3/8 inch, 48#, H-40, STC casing to 996 feet. Attempted to load hole with fresh water with no returns. Attempted to cement with 580 sacks Lite and 200 sacks Class "H", cement taken on vacuum. Could not fill casing. Made three more attempts with 200 sacks each Class "H" + 10#/sack Calseal. Cement still taken on vacuum. Pumped 100 barrels 45#/barrel LCM pill. Filled hole and cemented 200 sacks Class "B" + 10#/sack Calseal + 25#/sack Gilsonite. Ran temperature survey and found cement to 350 feet. Topped out with 100 sacks Class "H". Installed 13-3/8 inch x 13-5/8 inch, 3000 psi wellhead. Nippled up BOPE. Test casing to 1000 psi. Drilled 12-1/4 inch hole to 4152 feet. Ran FDC/GR/CAL logs. Ran 9-5/8 inch, 40#, SS95, LTC casing to 4112 feet and cemented with 250 sacks Lite + 10#/sack Gilsonite and 300 sacks Class "H" + 2% CC and topped out with 100 sacks Class "H" + 2% cc. Installed 9-5/8 inch x 11 inch, 5000 psi wellhead and nippled up BOPE. Tested rams and surface equipment to 5000 psi and test annular to 2500 psi. Tested casing to 1000 psi. Drilled out with 8-3/4 inch bit and tested casing seat to 16.5 ppg. Drilling at 6676 feet on September 30, 1985.

18. I hereby certify that the foregoing is true and correct

SIGNED

*C. H. Peeples*  
C. H. Peeples

TITLE Regional Drilling Manager

DATE October 29, 1985

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-49391

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Coors USA

9. WELL NO.

1-10LC

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 10, T26S-R20E  
S.L.B. & M.

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back in. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

NOV 04 1985

DIVISION OF OIL  
GAS & MINING

1.

OIL  
WELL ☐

GAS  
WELL ☐

OTHER

Dry Hole

2. NAME OF OPERATOR

EP Operating Company

3. ADDRESS OF OPERATOR

7800 Stemmons Frwy., Suite 500 - Dallas, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)

At surface

2095' FWL & 967' FSL

SE-SW

14. PERMIT NO.

API 43-019-31190

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5634' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

Drilling Operations ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Report of Operations for the month of October, 1985

Drilled 8-3/4 inch hole to 8550 feet (T.D.). Ran DST from 8468 feet to 8550 feet (Mississippian) and recovered 4420 feet drilling mud and 2000 feet salt water. Ran deviation survey through the Paradox Salt. Ran open-hole logs as follows: Sonic/CAL/GR; FDC/CNL/CAL/GR; DIL/MSFL/GR/CAL; Gyro. Received verbal approval to plug and abandon. Set plugs as follows:

8100' - 7900' - 112 sacks Class "H"  
4252' - 4052' - 92 sacks Class "H"  
Surface - 65 sacks Class "H"

Last plug set and rig released on 10-20-85.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE 11/8/85

BY John R. Bayne

18. I hereby certify that the foregoing is true and correct

SIGNED

C. H. Peeples

TITLE Regional Drilling Manager

DATE

October 29, 1985

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Form OGC-3

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN DUPLICATE\*  
 (See other instructions  
 on reverse side)

56 64 01

14

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

|   |  |  |  |   |  |
|---|--|--|--|---|--|
| 1a. TYPE OF WELL:   |  | OIL WELL <input type="checkbox"/>      | GAS WELL <input type="checkbox"/>              | DRY <input checked="" type="checkbox"/> | Other _____                            |
| b. TYPE OF COMPLETION:  |  |  |  |   |  |
| NEW WELL <input type="checkbox"/>   | WORK OVER <input type="checkbox"/>                                   | DEEP-EN <input type="checkbox"/>       | PLUG BACK <input type="checkbox"/>             | DIFF. RESVR. <input type="checkbox"/>   | Other <u>Plug &amp; Abandon</u>        |
| 2. NAME OF OPERATOR<br>EP Operating Company <u>Coors</u> 214/630-8711   |  |  |  |   |  |
| 3. ADDRESS OF OPERATOR<br>7800 Stemmons Frwy., Suite 500, Dallas, Texas 75242   |  |  |  |   |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 2095' FWL & 967' FSL SE-SW<br>At top prod. interval reported below<br>At total depth |  |  |  |   |  |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">         RECEIVED<br/>         NOV 04 1985<br/>         DIVISION OF OIL GAS &amp; MINING       </div>                |  |  |  |   |  |
| 14. PERMIT NO.  |  | DATE ISSUED                            |  |   |  |
| API 43-019-31190  |  | 7/2/85                                 |  |   |  |
| 5. LEASE DESIGNATION AND SERIAL NO.   |  | Federal U-49391                        |  |   |  |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>NA  |  |  |  |   |  |
| 7. UNIT AGREEMENT NAME<br>NA  |  |  |  |   |  |
| 8. FARM OR LEASE NAME<br>Coors USA  |  |  |  |   |  |
| 9. WELL NO.<br>1-10LC   |  |  |  |   |  |
| 10. FIELD AND POOL, OR WILDCAT<br>Wildcat   |  |  |  |   |  |
| 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>Section 10, T26S-R20E<br>S. L. B. & M.   |  |  |  |   |  |
| 12. COUNTY OR PARISH  |  | 13. STATE                              |  |   |  |
| Grand   |  | Utah                                   |  |   |  |
| 15. DATE SPUDDED  | 16. DATE T.D. REACHED  | 17. DATE COMPL. (Ready to prod.)       | 18. ELEVATIONS (OF, RES., RT, GR, ETC.)*       | 19. ELEV. CASING HEAD                   |  |
| 8-31-85   | 10-16-85   | 10-20-85 P&A                           | 5634' GR                                       | 5654' KB                                |  |
| 20. TOTAL DEPTH, MD & TVD   | 21. PLUG, BACK T.D., MD & TVD  | 22. IF MULTIPLE COMPL., HOW MANY*      | 23. INTERVALS DRILLED BY                       | ROTARY TOOLS                            | CABLE TOOLS                            |
| 8550' MD  | Surface  |  | →  | 0' - 8550'                              |  |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>None   |  |  |  |   | 25. WAS DIRECTIONAL SURVEY MADE<br>Yes |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Sonic/GR/CAL; FDC/CNL/GR/CAL; DIL/MSFL/GR/CAL; Gyro   |  |  |  |   | 27. WAS WELL CORED<br>No               |
| 28. CASING RECORD (Report all strings set in well)  |  |  |  |   |  |
| CASING SIZE   | WEIGHT, LB./FT.  | DEPTH SET (MD)                         | HOLE SIZE                                      | CEMENTING RECORD                        | AMOUNT PULLED                          |
| 13-3/8"   | 48#  | 996'                                   | 17-1/2"  | Cemented to Surface-300sx               | None                                   |
| 9-5/8"  | 40#  | 4112'                                  | 12-1/4"  | 550 sks - Top at 1730'                  | None                                   |
|   |  |  |  | 100 sks - Top Out                       |  |
| 29. LINER RECORD  |  |  | 30. TUBING RECORD                              |   |  |
| SIZE  | TOP (MD)   | BOTTOM (MD)                            | SACKS CEMENT*                                  | SCREEN (MD)                             | PACKER SET (MD)                        |
|   |  |  |  |   |  |
| 31. PERFORATION RECORD (Interval, size and number)  |  |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |   |  |
|   |  |  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED        |  |
|   |  |  | Plugs set:                                     |   |  |
|   |  |  | 8100' - 7900'                                  | 112 sks Class "H"                       |  |
|   |  |  | 4252' - 4052'                                  | 92 sks Class "H"                        |  |
|   |  |  | Surface  | 65 sks Class "H"                        |  |
| 33.* PRODUCTION   |  |  |  |   |  |
| DATE FIRST PRODUCTION   | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |  |  |   | WELL STATUS (Producing or shut-in)     |
| NA  |  |  |  |   | DTA                                    |
| DATE OF TEST  | HOURS TESTED   | CHOKE SIZE                             | PROD'N. FOR TEST PERIOD                        | OIL—BSL.                                | GAS—MCF.                               |
|   |  |  | →  |   |  |
| FLOW. TUBING PRESS.   | CASING PRESSURE  | CALCULATED 24-HOUR RATE                | OIL—BSL.                                       | GAS—MCF.                                | WATER—BSL.                             |
|   |  | →                                      |  |   |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  |  |  |  |   | TEST WITNESSED BY                      |
| 35. LIST OF ATTACHMENTS<br>Logs, Test Reports and other information will be submitted by Service Company  |  |  |  |   | OST                                    |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records   |  |  |  |   |  |
| SIGNED <u>C. H. Peeples</u>   |  | TITLE <u>Regional Drilling Manager</u> |  | DATE <u>October 29, 1985</u>            |  |

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEEPER INTERVALS TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        | 38. GEOLOGIC MARKERS  |                 |             |                  |
|---|------|--------|---|-----------------|-------------|------------------|
| FORMATION   | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.   | NAME            | MEAS. DEPTH | TRUE VERT. DEPTH |
| DST   |      |        |   |                 |             |                  |
| Mississippian   | 8468 | 8550   | Flow Periods: IF 5 Minutes<br>ISI 30 Minutes<br>FF 45 Minutes<br>FSI 60 minutes<br><br>Recovery: 4420' Mud<br>2000' Salt Water<br><br>Sample Chamber: 2300 cc's Salt Water<br><br>Charts Not Readable | Paradox Salt #2 | 4112'       |                  |
|   |      |        |   | Clastic #16     | 6334'       |                  |
|   |      |        |   | Clastic #17     | 6501'       |                  |
|   |      |        |   | Cone Creek      | 7441'       |                  |
|   |      |        |   | Lower Hermosa   | 7826'       |                  |
|   |      |        |   | Miss. Leadville | 7900'       |                  |
|   |      |        |   | Miss. Madison   | 8420'       |                  |

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

RECEIVED

NOV 04 1985

DIVISION OF OIL  
GAS & MINING

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Coors USA No. 1-10LC  
Operator EP Operating Company Address 7800 Stemmons Frwy., #500 - Dallas, TX 75247  
Contractor Nicor Rig 36 Address Grand Junction, Colorado  
Location SE 1/4 SW 1/4 Sec. 10 T. 26S R. 20E County Grand

Water Sands

|    | <u>Depth</u>                | <u>Volume</u>     | <u>Quality</u> |
|----|-----------------------------|-------------------|----------------|
|    | From To                     | Flow Rate or Head | Fresh or Salty |
| 1. | <u>No Water Encountered</u> |                   |                |
| 2. |                             |                   |                |
| 3. |                             |                   |                |
| 4. |                             |                   |                |
| 5. |                             |                   |                |

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

REPORT NO.  
08703F

PAGE NO. 1

TEST DATE:  
18-OCT-85

## WELL PERFORMANCE

### TESTING™ REPORT

A Production System Analysis (NODAL™)  
Based On Model Verified™ Interpretation

FLOPETROL JOHNSTON

Schlumberger

RECEIVED

NOV 04 1985

Company: E P OPERATING

Well: COORS USA 1-10

#### TEST IDENTIFICATION

Test Type ..... MFE OH DST  
Test No. .... 1  
Formation .....  
Test Interval (ft) ..... 8468 - 8550  
Reference Depth ..... KELLY BUSHING

#### WELL LOCATION

Field .....  
County ..... GRAND  
State ..... UTAH  
Sec/Twn/Rng ..... S10T26SR20E  
Elevation (ft) .....

DIVISION OF OIL  
GAS & MINES

#### HOLE CONDITIONS

Total Depth (MD/TUD) (ft) .... 8550/8550  
Hole Size (in) ..... 8.75  
Casing/Liner I.D. (in) .....  
Perf'd Interval/Net Pay (ft).. /82  
Shot Density/Diameter (in) ...

#### MUD PROPERTIES

Mud Type ..... SAT. SALT GEL  
Mud Weight (lb/gal) ..... 8.8  
Mud Resistivity (ohm.m) .....  
Filtrate Resistivity (ohm.m)..  
Filtrate Chlorides (ppm) ..... 37500

#### INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) .... 3152  
Gas Cushion Type ..... NONE  
Surface Pressure (psi) ..... --  
Liquid Cushion Type ..... NONE  
Cushion Length (ft) ..... --

#### TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 7814/3.8  
Collar Length (ft)/I.D. (in).. 604/2.688  
Packer Depths (ft) ..... 8468  
Bottomhole Choke Size (in) ... 15/16  
Gauge Depth (ft)/Type ..... 8433/MECHANICAL

#### NET PIPE RECOVERY

| Volume   | Fluid Type | Properties      |
|----------|------------|-----------------|
| 4420 FT. | DRLG. MUD  | 37,500 PPM CL.  |
| 2000 FT. | SALTWATER  | 110,000 PPM CL. |
|          |            |                 |
|          |            |                 |
|          |            |                 |

#### NET SAMPLE CHAMBER RECOVERY

| Volume       | Fluid Type | Properties      |
|--------------|------------|-----------------|
| 2300 CC      | WATER      | 110,000 PPM CL. |
|              |            |                 |
|              |            |                 |
|              |            |                 |
| Pressure: 50 |            | GOR: -- GLR: -- |

#### INTERPRETATION RESULTS

Model of Behavior .....  
Fluid Type Used for Analysis .  
Reservoir Pressure (psi) .....  
Transmissibility (md.ft/cp) ..  
Effective Permeability (md) ..  
Skin Factor/Damage Ratio .....  
Storativity Ratio .....  
Interporosity Flow Coeff. ....  
Distance to an Anomaly (ft) ..  
Radius of Investigation (ft)..  
Potentiometric Surface (ft) ..

#### ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API) .....  
Basic Solids (%) .....  
Gas Gravity .....  
Water Cut (%) .....  
Viscosity (cp) .....  
Total Compressibility (1/psi).  
Porosity (%) .....  
Reservoir Temperature (F) .... 124  
Form.Vol.Factor (bbl/STB) ....

PRODUCTION RATE DURING TEST: N/A

#### COMMENTS:

UNSUCCESSFUL TEST; NO PACKER SEAT



Field Report # 08703 F

| DATE<br>(M/D/Y) | TIME<br>(HR:MIN) | EVENT<br>E.T.<br>(MIN) | EVENT DESCRIPTION                       | LABEL<br>PT. # | SURFACE<br>PRESSURE<br>(PSIG) | FLOOR MANIFOLD<br>CHOKE SIZE<br>(64ths INCH) |
|-----------------|------------------|------------------------|---|----------------|-------------------------------|--|
| 10/18/85        | 1335             | —                      | SET PACKER                              | 1              |                               | BUBBLE HOSE                                  |
|                 | 1337             | —                      | OPENED TEST TOOL FOR INITIAL FLOW       |                |                               | "  |
|                 |                  |                        | IMMEDIATE BLOW TO BOTTOM OF BUCKET      |                |                               |  |
|                 | 1345             |                        | BYPASS TOOL                             |                |                               | "  |
|                 | 1349             |                        | RE-OPENED TOOL - IMMEDIATE BLOW         |                |                               | "  |
|                 |                  |                        | TO BOTTOM OF BUCKET                     |                |                               |  |
|                 | 1358             | —                      | ATTEMPTED TO CLOSE TOOL                 |                |                               | "  |
|                 | 1430             |                        | ATTEMPTED TO RE-OPEN TOOL               |                |                               | "  |
|                 |                  |                        | WEAK BLOW (6") & GRADUALLY DIED         |                |                               |  |
|                 | 1515             |                        | ATTEMPTED TO CLOSE TOOL                 |                |                               | "  |
|                 | 1616             |                        | PULLED PACKER LOOSE                     |                |                               | —  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        | NOTE: UNSUCCESSFUL TEST; NO PACKER SEAT |                |                               |  |
|                 |                  |                        | 30 PPM H2S                              |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  | —                      | REVERSED OUT                            |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  | —                      | BEGAN TRIP OUT OF HOLE                  |                |                               |  |
|                 |                  |                        |   |                |                               |  |

# BOTTOM HOLE PRESSURE AND TIME DATA

JS-193-A

JOHN-MACCO

Schlumberger

PAGE NUMBER

INSTRUMENT NUMBER

J-1928

CAPACITY (P.S.I.)

6400#

DEPTH

8433 FT.

PORT OPENING

INSIDE

BOTTOM HOLE TEMPERATURE

124°F

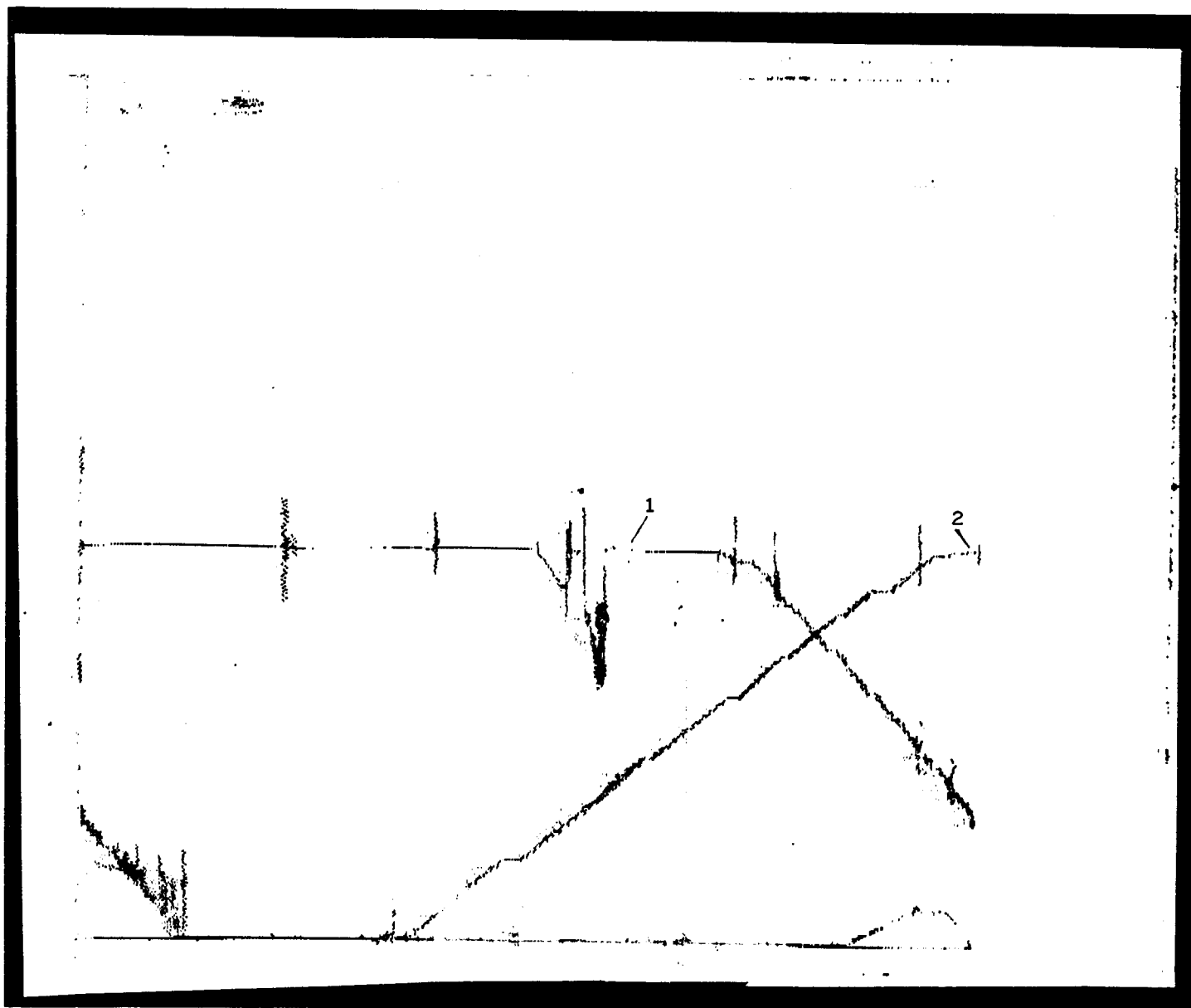
FIELD REPORT NUMBER

08703 F

| DESCRIPTION             | LABELED POINTS | PRESSURE (P.S.I.) | GIVEN TIME | COMPUTED TIME |
|-------------------------|----------------|-------------------|------------|---------------|
| INITIAL HYDROSTATIC MUD | 1              | 3152              |            |               |
| INITIAL FLOW (1)        |                |                   |            |               |
| INITIAL FLOW (2)        |                |                   |            |               |
| INITIAL SHUT-IN         |                |                   |            |               |
| SECOND FLOW (1)         |                |                   |            |               |
| SECOND FLOW (2)         |                |                   |            |               |
| SECOND SHUT-IN          |                |                   |            |               |
| FINAL FLOW (1)          |                |                   |            |               |
| FINAL FLOW (2)          |                |                   |            |               |
| FINAL SHUT-IN           |                |                   |            |               |
| FINAL HYDROSTATIC MUD   | 2              | 3152              |            |               |

REMARKS:

UNSUCCESSFUL TEST; NO PACKER SEAT



RECEIVED

## DISTRIBUTION FOR TECHNICAL REPORTS

|  |  |                       |                                 |
|--|--|-----------------------|---------------------------------|
| COMPANY<br>E. P. OPERATING (ENSERCH EXPLORATION) |  | WELL<br>COORS USA     | NOV 04 1985<br>NO.<br>1-10 L-C  |
| CUSTOMER<br>SAME                                 |  | FIELD<br>KANE SPRINGS | DIVISION OF OIL<br>GAS & MINING |
| COUNTY<br>GRAND                                  |  | STATE<br>UTAH         |                                 |

☐ THIS TEST ONLY ☒ ALL TESTS ON THIS WELL

FJS HAS BEEN REQUESTED TO FURNISH THE FOLLOWING COMPANIES WITH TECHNICAL REPORTS AS SHOWN AT LEFT.

MR. S. B. CHURCH  
COORS ENERGY COMPANY  
P. O. BOX 467  
GOLDEN, CO 80402

2

MR. LANCE NEIBERGER  
BHP PETROLEUM (ERG)  
P. O. BOX 3280  
CASPER, WY 82601

1

+

MR. M. T. BERRYHILL  
ENSERCH EXPLORATION, INC.  
1700 LINCOLN ST., STE. 3600  
DENVER, CO 80203

4

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
355 WEST NORTH TEMPLE  
THREE TRIAD CENTER, SUITE 350  
SALT LAKE CITY, UT 84180-1203

1

+

MR. K. L. FOURET  
ENSERCH EXPLORATION, INC.  
1700 LINCOLN ST., STE. 3600  
DENVER, CO 80203

2

MR. GREG NOBLE  
BUREAU OF LAND MANAGEMENT  
DISTRICT OFFICE  
P. O. BOX M  
MOAB, UT 84534

2

+

MR. CARL PEEPLES  
ENSERCH EXPLORATION, INC.  
1230 RIVER BEND DRIVE, STE. 136  
DALLAS, TX 75247

1

J. F. LYLE  
VICE PRESIDENT DRILLING  
1817 WOOD STREET  
DALLAS, TX 75201

1

+



June 18, 1985

RECEIVED

State of Utah  
Division of Oil, Gas & Mining  
4241 State Office Bldg.  
Salt Lake City, Utah 84114

JUN 20 1985

DIVISION OF OIL  
GAS & MINING

Attn: Mr. Norm Stout

Dear Mr. Stout:

Attached please find for your approval one (1) copy of our Application for Permit to Drill the following well:

USA 1-10LC  
Section 10, T26S-R20E  
Grand County, Utah

Please let us know if you find you are in need of any further information or have any questions regarding this Application. Thank you.

Very truly yours,

R. L. Martin  
Vice President  
Oil & Gas Operations

RLM:kr

Attachments

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

5. Lease Designation and Serial No.

U-49391

6. If Indian, Allottee or Tribe Name

-----

7. Unit Agreement Name

-----

8. Farm or Lease Name

Coors USA

9. Well No.

1-10LC

10. Field and Pool, or Wildcat

✓ Wildcat

11. Sec., T., R., M., or Bk.  
and Survey or Area

Sec. 10, T26S-R20E

12. County or Parrish

Grand

13. State

Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐

Other

Single Zone ☒Multiple Zone ☐

2. Name of Operator

Coors Energy Company

(303) 278-7030

3. Address of Operator

P.O. Box 467, Golden, Colorado 80402

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

2095' FWL, 967' FSL, SE/4SW/4

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office\*

30 miles west of Moab, Utah

15. Distance from proposed\*

location to nearest  
property or lease line, ft.

3195'

(Also to nearest dirg. line, if any)

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

5280'

16. No. of acres in lease

360

17. No. of acres assigned  
to this well

----

19. Proposed depth

8200'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DP, RT, GR, etc.)

5634' GL

22. Approx. date work will start\*

August, 1985

## 23. PROPOSED CASING AND CEMENTING PROGRAM

| Size of Hole | Size of Casing | Weight per Foot | Setting Depth | Quantity of Cement |
|--------------|----------------|-----------------|---------------|--------------------|
| 17-1/2"      | 13-3/8"        | 54.00#          | 400'          | 300 sx.            |
| 12-1/4"      | 9-5/8"         | 36.00#          | 4400'         | 300 sx             |
| 8-5/8"       | 7-5/8"         | 29.70#          | 7700'         | 300 sx             |
| 5-1/2"       | 4-1/2"         | 11.60#          | 8200'         | 300 sx             |

1. This well will be spudded in the Triassic Wingate Sand.
2. Estimated formation tops: Triassic Chinle 350', Salt 4350', Cane Creek 7250', Base Salt 7600', Mississippian 7800', Devonian Elbert 8175'.
3. Water zones are not anticipated below the Chinle Formation.
4. Attached find a diagram of the pressure control device to be used on this well.
5. The proposed circulating medium will be 3% KCL water or a low-solids non-dispersed mud. Mud weights in excess of 14#/gal are not anticipated.
6. Auxiliary equipment: float will be run in the drill string. A full opening valve to fit the drill string will be on the rig floor at all times. Kelly cock valves will be used.
7. No coring is planned, drill stem tests may be run in potential pay zones. Logs to be run will be: DIL, CNL, CBL
8. The base Salt at 7600' is believed to be over pressured. Appropriate mud weights will be used.
9. Anticipated starting date: August, 1985, duration of drilling: 40 days.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

R.L. Martin

Title V.P. O/G Operations

Date 6/18/85

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by

Title

Conditions of approval, if any:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7/2/85

BY: [Signature]

WELL SPACING: 2-3(c)

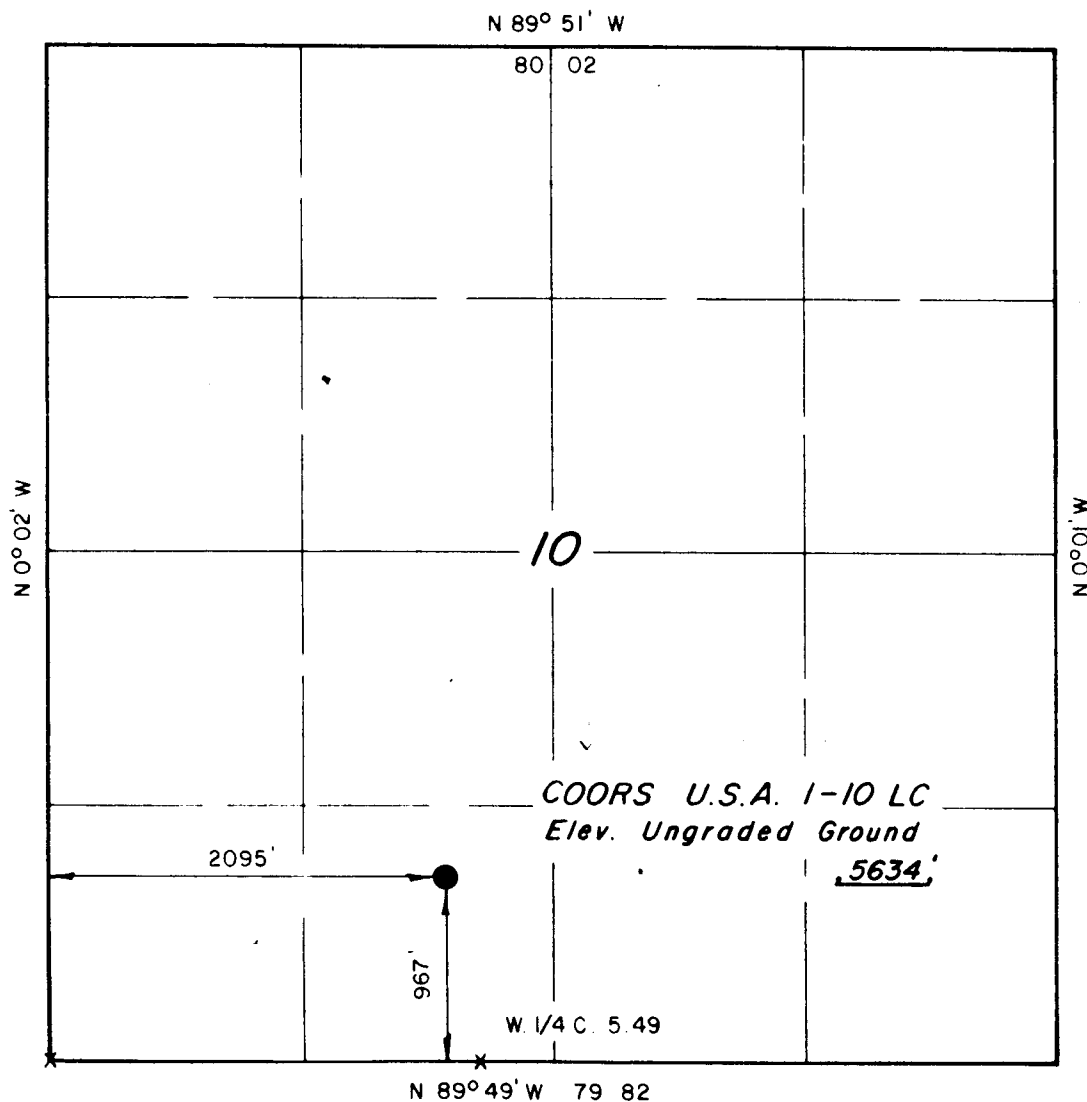
\*See Instructions On Reverse Side

T 26 S, R 20 E, S.L.B.&M.

PROJECT

COORS ENERGY CO.

Well location, COORS U.S.A. 1-10 LC,  
located as shown in the SE 1/4 SW 1/4  
Section 10, T 26 S, R 20 E, S.L.B. & M.  
Grand County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*James E. ...*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

|                        |                        |
|------------------------|------------------------|
| SCALE<br>1" = 1000'    | DATE<br>6/6/85         |
| PARTY<br>JK BFW PK BFW | REFERENCES<br>GLO Plat |
| WEATHER<br>HOT         | FILE<br>COORS          |

EXHIBIT "A"

X = Section Corners Located

Coors Energy Company  
Well No. Coors USA 1-10LC  
Sec. 10, T. 26 S., R. 20 E.  
Grand County, Utah  
Lease U-49391

CONDITIONS OF APPROVAL

A. Drilling Program

1. The B.O.P.E. will be rated to a least 3000 psi.
2. If cement is not circulated to surface on surface casing, cement will be placed down the annulus to the surface.
3. Any casing liner will have a least a 100' overlap.
4. All casing strings will be tested to 1000 psi or .2 psi/ft., whichever is greater.
5. All pressure tests will be recorded in the driller's log.

B. Surface Use Program

1. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.
2. All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
3. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
4. All loading lines and valves will be placed inside the berm surrounding the tank battery.
5. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
6. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

7. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
8. Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.
9. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
10. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned, will be identified in accordance with 43 CFR 3162.2.
11. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
12. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
13. All items in the 13 point plan as submitted by the operator will be adhered to.



**MULTIPOINT SURFACE USE PLAN**  
**COORS ENERGY COMPANY**  
**COORS USA 1-10LC**  
**SECTION 10, T26S-R20E**  
**GRAND COUNTY, UTAH**

Coors Energy Company will assure that this APD will be posted in the doghouse of the drilling rig during the drilling of this well. Also, a sign will be posted at the entrance to the location with the name of the well, operator and location description. We will notify the BLM in Moab, Utah 48 hours prior to beginning any work on this land. Prior to starting surface construction operations, the dirt contractor shall have a completed approved copy of this APD.

**1. EXISTING ROADS - See Exhibits C, D**

Access to Coors USA 1-10LC begins at the City of Moab, Utah and proceeds along the following roads with approximate mileages as indicated:

Proceed northerly from Moab, Utah on Highway 160 for 9.9 miles to the Junction of Seven-Mile Canyon Road, turn west and proceed southwesterly along this road approximately 13.7 miles to an intersection called the Knoll, turn east and proceed southeasterly along this road 3.8 miles to a State owned road, turn north and proceed northeasterly along the road approximately one mile to the access road.

Coors Energy Company and our subcontractors will not use Long Canyon to access our wellsite as per BLM instructions.

Road maintenance from the County Road to the well will be provided by a Coors Energy Company subcontractor. Maintenance will consist of periodic grading and repairs to the surface. During summer months, a watering program will be used to control dust. Rain and other inclement weather may require repairs to turnouts, waterbars, etc.

Materials for upgrading the existing road will come from the immediate area of road improvement work.

Upgraded existing roads will be constructed with an 16' road surface with bar ditches and water bars where required. Not over 20' will be cleared to upgrade any existing roads.

2. PLANNED ACCESS ROAD - See Exhibits C, D

The access road is a jeep trail which is approx. 0.6 miles long. It is to be upgraded to 16' wide and not extending to more than 20' wide, (8-10' on either side of the centerline). The access road will require no turnouts or drainage. The maximum grade will be 3% and will be built to Class III Road Standards. Back slopes along the cut areas of the road will be 1-1/2 - 1/4% and terraced where cuts are needed. There are no fences encountered along the proposed access road. Roads will be smooth, free of ruts, chuckholes, rocks, slides, etc. Shoulders will be straight and have no berms. If the access road cannot be rehabilitated within 60 days from dismounting the drilling rig, the BLM in Moab will be notified.

Any trees cut during construction of the well pad which have a diameter exceeding 4", will be cut into 4' lengths and stacked along the road right of way. Any brush or trees less than 4" in diameter will be scattered off road right of way and located in an orderly fashion as ground cover. No firewood gathering will be allowed without a duly granted wood permit.

3. LOCATION OF EXISTING WELLS - See Exhibit G

Within a 2-mile radius of this proposed well, there are 6 P&A wells:

Matthew Federal 1  
Davis Oil Co.  
Sec. 4, T26S-R20E

Matthew Federal 2  
Davis Oil Co.  
Sec. 4, T26S-R20E

Skyline Federal 8-44  
Minerals Management Co.  
Sec. 8, T26S-R20E

White Cloud #1  
J. Roberts DBA White Cloud Co.  
Sec. 14, T26S-R20E

Dry Fork #1  
J.E. Roberts Jr.  
Sec. 3, T26S-R20E

No name available  
J.E. Roberts Jr.  
Sec. 9, T26S-R20E  
2134'FSL, 603'FWL

Within a 2-mile radius of this proposed well, there are two producing wells:

Long Canyon Unit #2  
Southern Natural Gas Co.  
Sec. 9, T26S-R20E

Long Canyon Unit #1  
Southern Natural Gas Co.  
Sec. 9, T26S-R20E

With the exception of the above mentioned wells, there are no:

- a) known water wells
- b) temporarily abandoned wells
- c) disposal wells
- d) injection wells
- e) monitoring or observation wells

Mr. Gardner from the State of Utah, Division of Water Rights in Price, Utah, informed us that there are no water wells within a 2-mile radius of this location.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES - See Exhibits B, E

Coors does not request approval of surface production facilities at this time. Coors will submit a surface facility plan when the well is proven to be commercial. Access to the wellpad will be from the SW.

For drilling operations, a survey map (Exhibit B) showing rig layout is attached. All necessary surface equipment will be spotted on the 250' x 325' wellsite pad.

All garbage and trash will be placed in a trash cage and hauled to an appropriate disposal site. No burning of any trash will occur at the location. Any disturbed area not required for producing operations will be restored according to BLM instructions. The production facilities will create no additional surface disturbances. The drilling waste pit will be fenced on three sides with 36" woven sheep wire with two strands of barbed wire on top of the sheep wire. Upon completion of the drilling operations, the fourth side will be fenced. The reserve pit will be lined with clay or plastic to prevent seepage. The pit, which is approximately 250' x 100', will be located on the SW side of the drill site.

Trash, litter and construction materials will not be littered along road ways or drilling sites.

5. LOCATION AND TYPE OF WATER SUPPLY

The source of the water used to drill this well will be hauled in approximately 37 miles by truck from the Colorado River from the north side of Moab. The hauling contractor will have a hauling permit. Approximately 6000 bbls of water will be required to drill and complete this well.

Coors Energy Company is permitting this well, but it will be drilled by EP Operating Company, a Texas Limited Partnership, formerly Enserch Exploration, Inc. Coors/EP will ensure that the water hauler has an approved State of Utah permit to appropriate water prior to beginning drilling operations. For example, Knut and Sons of Moab, Utah, may be used.

6. SOURCE OF CONSTRUCTION MATERIALS - See Exhibit B

The top 6" of topsoil and trees will be removed from the well pad and stored on the north and east sides of the location. Fill materials needed to construct the location will be derived locally from cuts needed to build the well pad.

7. METHODS FOR HANDLING WASTE DISPOSAL

A mud reserve pit will be constructed for containment of drill cuttings as well as all drilling fluids and produced fluids. Produced waste fluids will be contained in a pit constructed in a chemical-type toilet. All trash and garbage will be placed in a trash cage and hauled from the location to an appropriate disposal site. The pit will be fenced as per statements in Section 4.

During production operations, all produced waters will be disposed of according to NTL-2B stipulations.

The reserve pit will be lined. An inspection will determine whether to use liner or bentonite. The reserve pit will be allowed to dry and then back-filled and the area restored according to BLM requirements upon completion of the well.

8. ANCILLARY FACILITIES

None will be required.

9. WELL SITE LAYOUT - See Exhibit B

Attached is a diagram showing the proposed wellsite layout.

10. PLANS FOR RESTORATION OF SURFACE - See Exhibit B

Surface vegetation scraped off during drill site preparation will be removed and stock-piled prior to topsoil removal. Upon abandonment, vegetation will be redistributed as a mulching agent over the well site. The top 6" of topsoil will be removed from the well pad and stored on the north and east sides of the location as shown on Exhibit "B".

The reserve pit and that part of the location not needed for production operations will be reclaimed within 90 days after completion of the well.

The original surface will be reconstructed as close as possible upon abandonment. The stock-piled topsoil will be spread over the area. Any solid waste material present prior to abandonment will be removed from the location. Any oil or deleterious liquids will be removed by a pump truck to an approved disposal area.

Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all trash will be removed. The access road will also be blocked during restoration. Prior to reseeding, all disturbed areas, including the access road will be scarified and left with a rough surface. The reserve pit and that part of the location not needed for production will be reclaimed in the same manner outlined in this section. The rehabilitated access road will be blocked to prevent any vehicle use.

Coors Energy Company will use the following seed mixture to rehabilitate the area: *Hilaria jamesii*, *Melilotus officinalis*, *Medicago sativa*, *Eurotia lanata*. We will notify the BLM 48 hours before rehabilitating the surface.

This mixture will be drilled to a depth of one-half inch and planted between September 15 and November 15. This seeding program may be modified as per BLM instruction at the time of site restoration.

If any cultural resources are found during construction, all work will stop and the BLM will be notified.

11. OTHER INFORMATION - See Exhibits H, I, J, K

The Coors USA 1-10LC is located approximately 30 miles west of Moab, Utah. There are no occupied dwellings within approximately two (2) miles of the well site. An archaeological report is attached. The area surrounding this location is a desert to semi-desert environment. (See Exhibit "H").

It is Coors Energy Company's policy that no Coors' employees nor subcontractors carry firearms on access roads nor onto the location during drilling or well completion operations of this well. No alcoholic beverages or drugs will be permitted on Coors' operations on this property, nor will any prospecting will be allowed on Coors' operations.

A copy of the BLM Stipulations is attached to the application, (See Exhibit "I") and our Special BOP Instructions, (See Exhibit "J").

All operators, subcontractors and vendors will be confined to established roads and wellsites.

The BLM in Moab will be notified of construction work, spud, suspended operations, resumption of operations, monthly report of operations, spills, blowouts, leaks, etc, MI completion rig, first production, well abandonment, and venting of gas.

Drilling rig can move in and out only on weekdays.

12. CONTACT

Mr. Jake Amen  
Field Supervisor  
Oil & Gas Operations  
Coors Energy Company  
825 First Avenue  
Grand Junction, Colorado 81501  
(303) 245-8672

Mr. R. L. Martin  
Vice President  
Oil & Gas Operations  
Coors Energy Company  
PO Box 467  
Golden, Colorado 80402  
(303) 278-7030

13. CERTIFICATION

See Exhibit "K"

SEC 9, T26, R20E, SLM.

PROJECT

COORS ENERGY CO.

RESERVE PIT  
SITE

SE 1/4 SE 1/4 SEC 9, T26S, R20E, SLM  
GRAND COUNTY, UTAH

• SE 1/4 SE 1/4

PROPOSED RESERVE PIT  
FOR WELL IN SE 1/4 SW 1/4  
SEC 10.

N 39° 42' 17" E  
31.86

S 58° 58' 23" E - 17.35'

N 57° 33' 06" W  
137.76'

S 30° 49' 18" W - 133.77'

N 60° 41' 56" W  
608.30'

S 89° 57' W

SE COR SEC. 9  
T26S, R20E, SLM

N 0° 02' W  
W 1/4 COR SEC. 10, T26S, R20E, SLM



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Laurence E. Kay*

REGISTERED LAND SURVEYOR  
REGISTRATION NO.  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

|                    |                        |
|--------------------|------------------------|
| SCALE<br>1" = 200' | DATE<br>6-6-85         |
| PARTY<br>JK BW PK  | REFERENCES<br>GLD PLAT |
| WEATHER<br>HOT     | FILE<br>COORS          |

EXHIBIT "E"

[illegible]

TOPO.

MAP "A"

SCALE 1" = 4 MI.

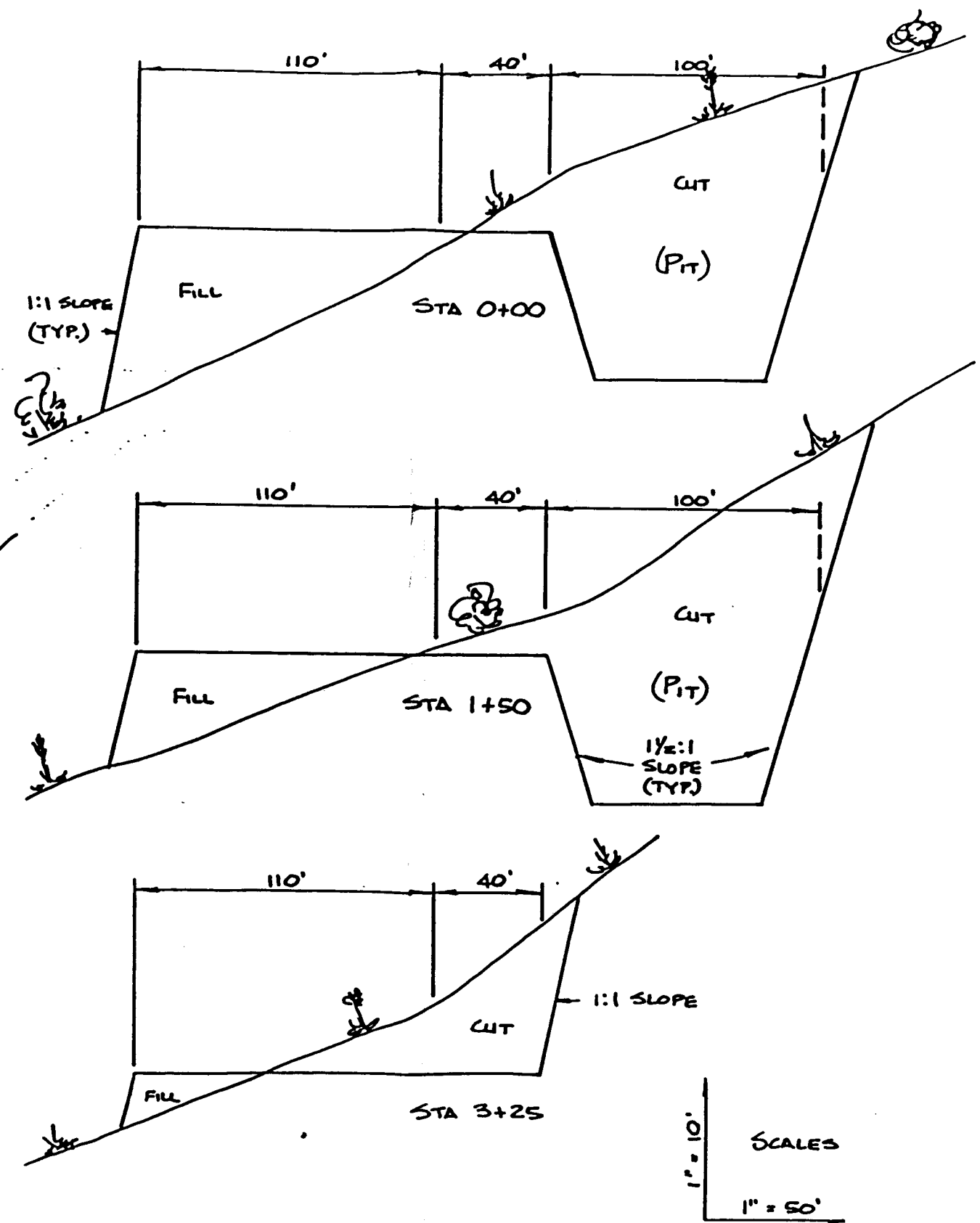
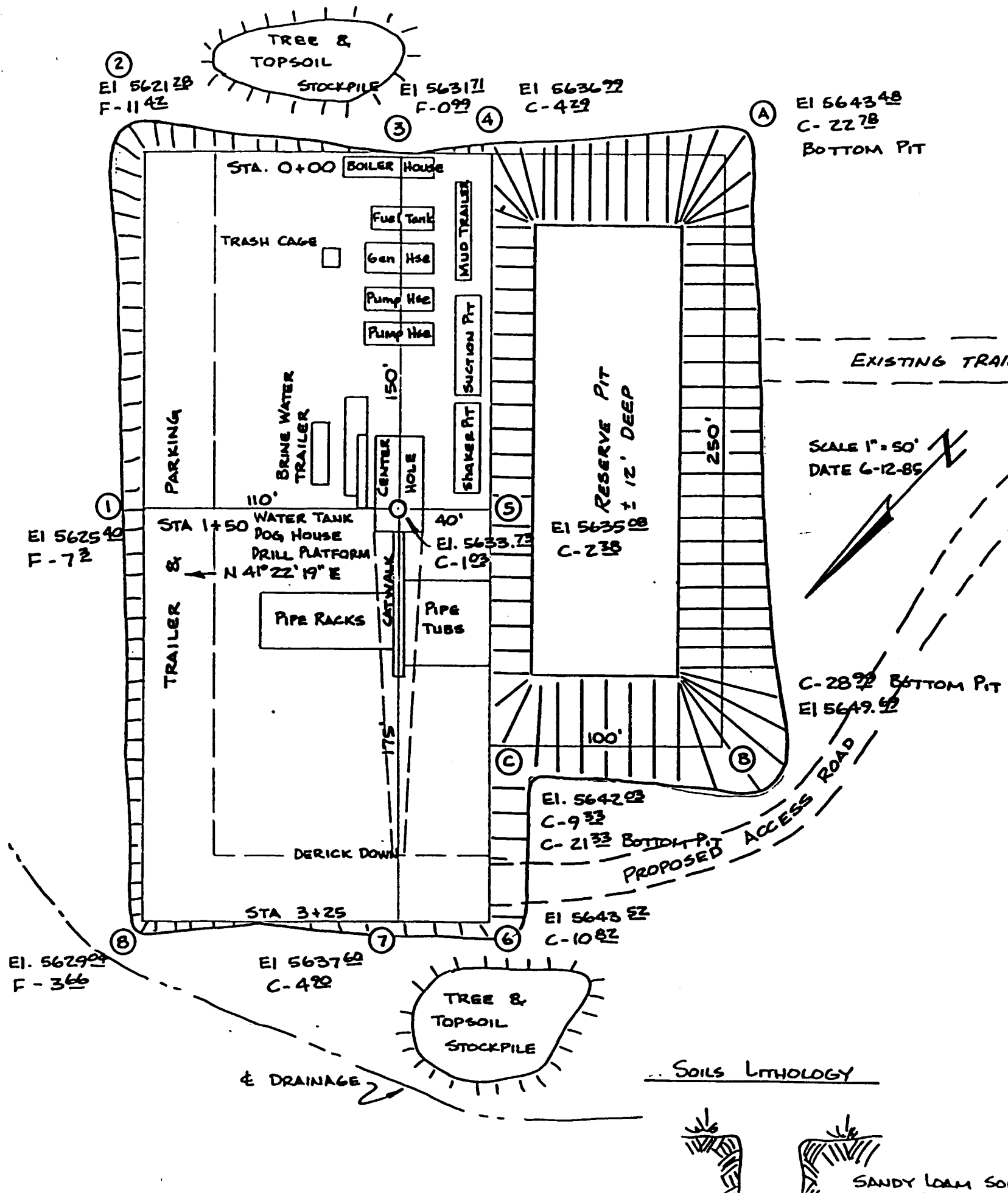
# PROPOSED LOCATION

EXHIBIT "C"





COORDS U.S.A. 1-10 LC



# APPROX. YARDAGES

Cu. Yds. CUT = 21,264  
Cu. Yds. FILL = 4,895

EXHIBIT "B"

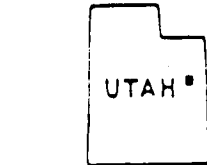
RS ENERGY CO.  
U.S.A. 1-10 LC  
SED LOCATION

QUADRANGLE  
(TOPOGRAPHIC)  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

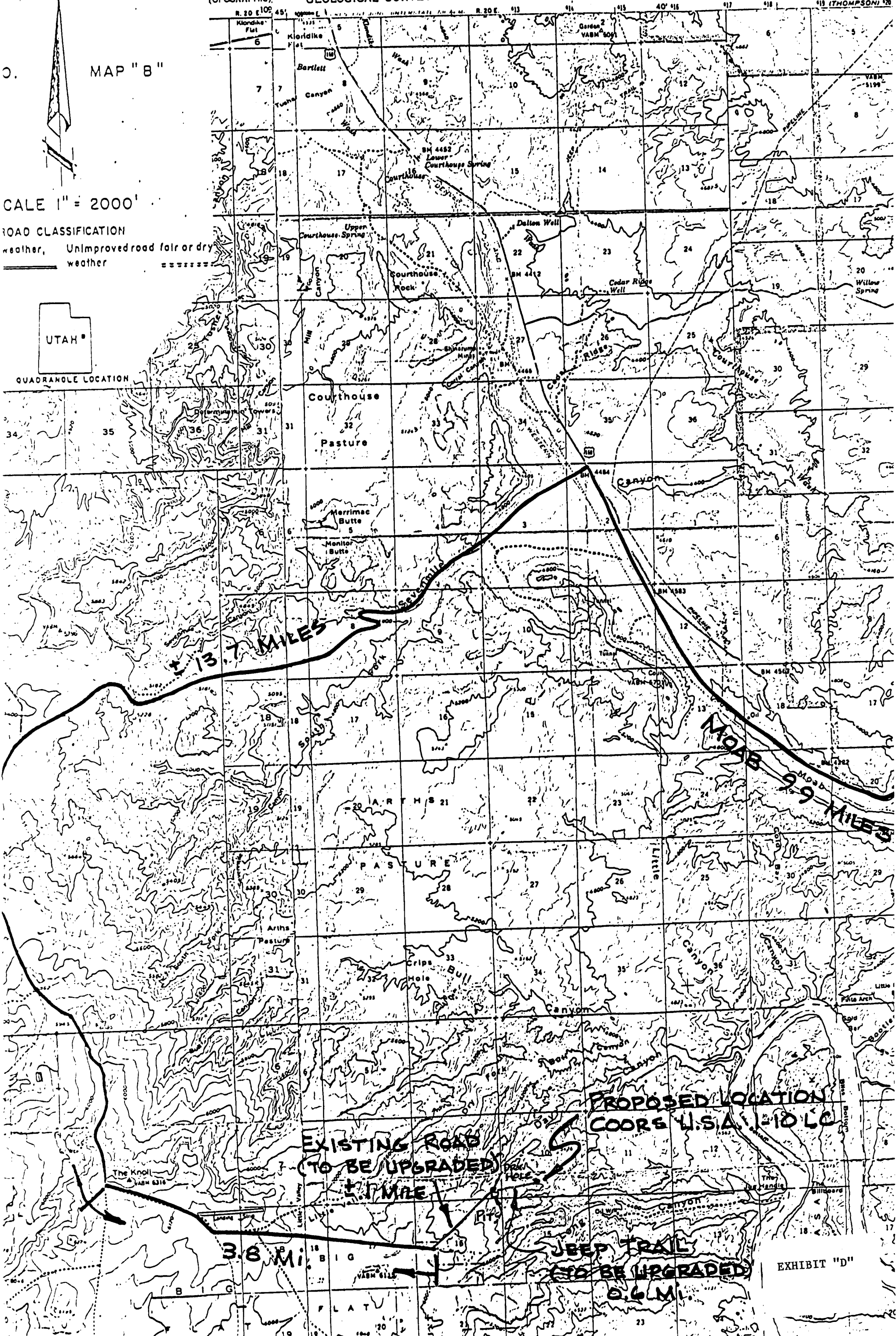
MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION  
weather, Unimproved road fair or dry  
weather



QUADRANGLE LOCATION



**ARCHAEOLOGICAL SURVEY FOR  
COORS ENERGY USA 1-10LC  
GRAND COUNTY, UTAH**

**GRC Report 85034**

by  
**John D. Hartley**

**GRAND RIVER CONSULTANTS, Inc.**  
576 25 Road, Suite 11  
Grand Junction, CO 81501  
(303)241-0308

**BLM PERMIT 84-UT-54936**

**STATE SURVEY PERMIT U-84-12- 4476**

**June 7, 1985**

**Prepared for:**  
**Coors Energy Company**  
Bldg. 21, Suite 150  
Denver West Office Park  
1746 Cole Blvd.  
Golden, CO 80401

**Distribution:**

**BLM - District Office, Moab (1)**  
    **Area Office, Moab (1)**  
    **State Office (1)**  
**Utah State Historical Society, Antiquities Division (1)**  
**Coors Energy (2) ✓**

**EXHIBIT "H"**

Summary Report of  
Inspection for Cultural ResourcesMitigation/Acceptable Yes ☐ No ☐  
Comments: \_\_\_\_\_Report Title ARCHAEOLOGICAL SURVEY OF COORS ENERGY 40Development Company Coors EnergyReport Date 6/1/95  
11/52 MONTHS 43 YEAR 464. Antiquities Permit No. 84-UT-54936Responsible Institution BLAIR 47 BLAIR 61 BLAIR 61 County GrandFieldwork Location: TWN 2 K S 62 63 Range 2 0 E 64 69 Section(s) 10 70 71 72 73 74 75 76 77TWN 7 8 1 78 81 Range 8 2 5 82 85 Section(s) 8 6 86 87 88 89 90 91 92 93Resource Area GR R H 100 101 TWN 9 4 7 94 97 Range 9 8 1 98 101 Section(s) 10 2 1 0 3 0 4 1 0 5 1 0 6 1 0 7 1 0 8 0 9PO=POY EXPRESS, BR=BEAR RIVER, PR=PRICE RIVER, WS=WARM SPRINGS  
B=BOOK CLIFFS, MH=HOUSE RANGE, SE=SEVIER RIVER  
MM=MENNY MOUNTAINS, BE=BEAVER RIVER, DX=DIXIE  
KA=KANAB, ES=ESCALANTE, SJ=SAN JUAN, GR=GRAND  
SR=SAN RAFAEL, DM=DIAMOND MOUNTAINFill in spaces 65, 69, 81, 85, 97, 101 Only if:  
V=Vernal Meridian  
H=Hill TownshipDescription of Examination Procedures: Side-scan transect over location and  
access - ca. 10 acres around locationLinear Miles Surveyed 0.5 112 117 and/orDefinable Acres Surveyed 118 118 123 and/orLegally Undefinable Acres Surveyed 2.0 114 114

(\*A parcel hard to control locate i.e., center of section)

10. Inventory Type 1 130R= Reconnaissance  
I= Intensive  
S= Statistical SampleDescription of Findings (attach appendices, if appropriate) 12. Number Sites Found: 0 131 135  
No sites = 0IF, consisting of two flakes (1 white chert, 1 brown chert), ca. 75' north of well pad area. Artifacts are outside impact area and were not collected. 13. Collection: 13 136  
No other cultural resourcesActual/Potential National Register Properties Affected:  
NoneLiterature Search, Location/Date:  
None 6/6/95, 6/5/95 request to Division of State HistoryConclusion/Recommendations:  
Clearance is recommendedSignature of Administrator & Field Supervisor: Administrator [Signature]Field Supervisor [Signature]

For extra locationals use additional 8100-3 forms.

8100-3  
(2/85)



LIST OF DIRT CONTRACTORS FOR RESTORATION

Wilkin Contracting Co.  
Highway 666  
Monticello, Utah 84535  
801-587-2423

Canyonlands Contracting  
Moab, Utah 84532  
801-259-7760

Doug Carroll Exploration  
P.O. Box 845  
Moab, Utah 84532  
801-259-6380

D.E. Casada  
Vernal, Utah  
801-789-1020

B&W Construction Co.  
640 West Bartlett  
Moab, UT 84532  
801-259-5670  
801-259-6588 (mobil)

C.M.E.C., Inc.  
C.L. Norton, Manager  
P.O. Box 1781  
Grand Junction, CO 81502  
(303) 242-8014

Crowley Construction  
East Route  
Monticello, Utah 84535  
801-587-2377  
801-587-2738

JBCO Construction  
Wagner Subdivision  
Moab, Utah 84532  
801-259-5316

Knut & Sons  
S. Highway 163  
Moab, Utah 84532  
801-259-6274

*have a water permit*

Oil Field Constructors, Inc.  
Leonard Lewis  
P.O. Box N  
Fruita CO 81521  
(303) 858-7002

Perry McDonald Construction, Inc.  
P.O. Box 1750  
Cortez, CO 81321

Sutherland Brothers Drilling Co.  
P.O. Box 429  
Naturita, CO 81422  
303-865-2563  
801-587-2318

## List #8

## SEED MIXTURE

## Desert

## Semi-Desert

(Area coverage)

N. highway I-70 to first Bench of Bookcliffs  
from Green River to Bar X field. All lands  
So. highway I-70, Black Brush Zones, lands  
west of 163 to the Green River.

SpeciesGrasseslbs/acre

Oryzopsis hymenoides

Indian ricegrass

Hilaria jamesii

Galleta (Curlygrass)

Sporobolus cryptandrus

Sand dropseed

Sitanion hystrix

Bottlebrush squirreltail

Forbs

X Melilotus officinalis

Yellow sweetclover

X Medicago sativa

Alfalfa  
(Spreador II, Nomad, Ladak)Shrubs

Atriplex canescens

Fourwing saltbush  
(White greasewood)

Eurotia lanata

Winterfat (Whitesage)

Broadcast seed will be applied at double the above rate.  
Seeding will be done in the fall of the year (Oct. - Dec.)



## RESOURCE ROADS

### (CLASS III ROADS)

#### SECTION 1

#### SURVEY AND DESIGN

Definition - Resource roads are those existing or proposed roads which serve the development of a very limited area (i.e. one or two oil or gas wells) of a depletable natural resource. When the purpose for which the road was constructed no longer requires access, the road will be rehabilitated unless otherwise directed by BLM.

#### 1. Field Survey Requirements

- (A) Establish a flag line along the route of construction. The flag line shall be sufficiently marked to insure construction control. Flag intervals shall not exceed 100 feet, or be intervisible whichever is less.

#### 2. Design Requirements

All Resource roads constructed by non-government entities across public lands must be designed by or under the direction of a licensed professional engineer. BLM Manual 9113.06 F.

- (A) Design speed 15 mph.
- (B) Travel way width - minimum 16 feet, maximum 20 feet (exceptions may be made to width requirements if approved by BLM prior to construction).
- (C) Minimum horizontal curve radius, 115 feet (maximum degree of curve 50 degrees unless a shorter radius is approved by BLM prior to construction).
- (D) The road shall be outsloped from 2 to 4 percent on side hill sections where the cross slope is greater than 10 percent but less than 65 percent, the road grade is less than 10 percent and the soil contains over 50 percent rock or gravel. On all other side hill sections the road shall have an inside ditch.
- (E) Maximum grade 10 percent (except pitch grades\*).
- (F) Turnouts (on roads having a travel surface width of less than 20 feet) shall be located at intervals of 1,000 feet or within sight distance, whichever is less.

\* Pitch grades are defined as those grades exceeding 10% which are necessary because of topography, i.e. low water crossings. Such grades shall not extend over 300 feet in length, nor shall they be used to circumvent the intent of these stipulations. Maximum pitch grade shall be 16 percent.

RESOURCE ROADS  
(CLASS III ROADS)

SECTION 2

CONSTRUCTION STANDARDS

1. Public Convenience and Safety

The Company shall take all necessary precautions for the protection of the work and safety of the public during construction of the road.

Warning signs shall be posted wherever directed during blasting operations.

2. Clearing and Grubbing

Clearing and grubbing shall be carried out on all sections of the road where side slopes are less than 60 percent.

All clearing and grubbing shall be confined to the limits of actual construction unless otherwise authorized by the BLM. Branches of trees extending over the roadbed shall be trimmed to give a clear height of 16 feet above the roadbed surface. All perishable material resulting from clearing and grubbing operations shall be disposed of as specified at the pre-drill conference.

3. Excavation

Prior to beginning excavation and fill placement operations, all vegetation or debris within the designated limits of the roadway, except such objects as are designated to remain in place, are to be removed and disposed of as provided in Paragraph #2. All suitable material removed during excavation operation shall be used as far as practicable in the formation of the embankments and for other purposes as directed by the BLM, i.e. topsoil, stockpiling.

4. Embankment Construction

Embankment material shall not be placed when either the materials or the surface on which they will be placed are frozen or too wet (as determined by BLM) for satisfactory compaction. The Contractor shall route his construction equipment over the layers of embankment material already in place to avoid uneven compaction anywhere along the travel route.

Borrow material shall not be used until all of the accessible roadway excavation has been placed in the embankments unless otherwise permitted by the BLM.

Roadside ditches shall conform to the slope, grade and shape of the required cross section, with no projections of roots, stumps, rocks or similar matter. Roadside ditches shall be "V" type ditches excavated to a depth of one foot minimum, below finished road surface. Roadside ditch backslopes shall not be cut flatter than 1½:1. Roadside ditch "turn outs" shall be constructed at intervals not exceeding 500 feet when the cross slope does not exceed 5 percent.

All slopes, shoulders and road surfaces shall be finished smoothly and in accordance with the lines and grades shown on the drawings.

5. Drainage Dip Construction

Drainage dips shall be spaced in accordance with the following table:

| <u>Road Grade %</u> | <u>Drainage Dip Spacing in Feet</u> |
|---------------------|-------------------------------------|
| 2                   | 300                                 |
| 4                   | 230                                 |
| 6                   | 200                                 |
| 8                   | 170                                 |
| 10                  | 160                                 |

Culvert pipes shall be used for cross drains on grades in excess of 10 percent.

This table is intended as a guide only and may require adjustment in the field for site-specific conditions.

(A) Construction Requirements

Construction shall be as specified in paragraphs 3 and 4, and as shown on the drawings.

6. Seeding

- (A) The Company shall carry out erosion control items of vegetation establishment during the season established for seeding. Vegetation establishment shall be completed on areas of disturbance as they are completed if actual construction is being accomplished during the seeding season.

Seeding shall be carried out on all of the areas described as follows:

- (1) On cut slopes, and shall extend from the bottom of the ditch to the top of the cut slope.
  - (2) On embankment slopes, and shall extend from the roadway shoulder to the toe of the embankment slope.
  - (3) On all borrow pit areas.
  - (4) On all "side cast" in areas of full bench construction.
- (B) Seeding season shall be from September 15 to December 15, or as otherwise allowed by the BLM.

## SECTION 3

### ROAD MAINTENANCE STANDARDS

The completed road shall be maintained to the following standards as applicable for the term of use.

#### 1. Travel Way

- (A) Roadbed is smooth, free of ruts, chuckholes, rocks, slides, washboards; crowned and/or sloped for drainage.
- (B) Free from excessive accumulation of dust pockets of layers which are a driving hazard or public nuisance.
- (C) Berms shall be absent along the shoulder.
- (D) Soft spots, such as those resulting from springs and seeps, shall be absent.

#### 2. Shoulders

- (A) Shoulders are straight and present a uniform line with the surface free from large rocks, limbs, or stumps.

#### 3. Ditches and Drainage Dips

- (A) Original cross section shall be maintained. Drainage area clear of rocks, slides and sediments.
- (B) Vegetation or sedimentation does not restrict ditch flow or reduce the waterway area.
- (C) Ditch bottom is stable and is not excessively eroded.
- (D) Back slope area above ditches is stable.

#### 4. Other Related Road Features

- (A) Right-of-way free of excessive or objectional litter.

#### 5. Fences, Gates and Cattleguards

- (A) Posts are sound, plumb and secure.
- (B) Wire is tight and securely fastened to the posts.
- (C) Stays are uniformly spaced and vertical between posts and affixed to keep the strands properly spaced.
- (D) Rock deadmen are properly secured to the fence.

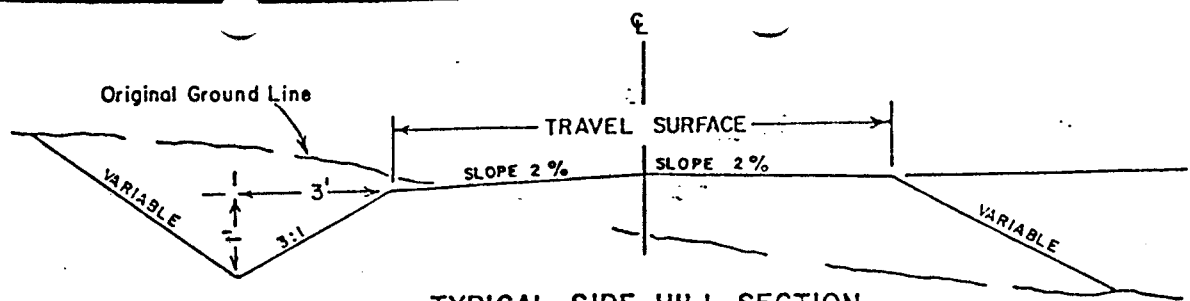
- (E) Gates are free from deterioration, damage to structural sections or loose hardware.
- (F) Cattleguard pits are clean and functional. End wings securely fastened and serviceable. Guard and base in serviceable condition.

6. Fords and Low Crossings

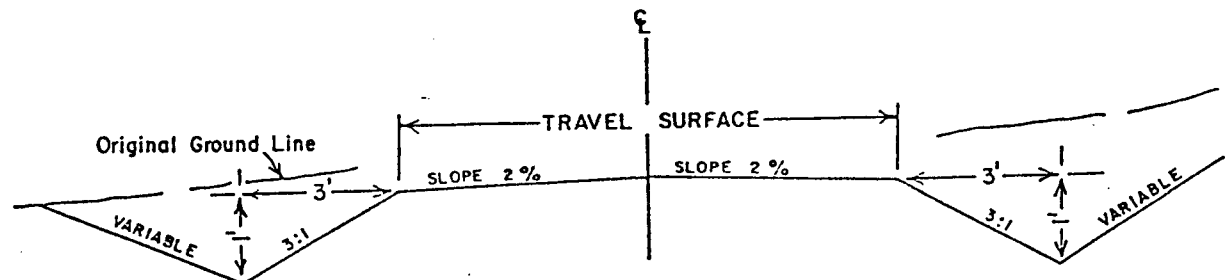
- (A) There is a smooth transition between road and ford.
- (B) No excessive erosion adjacent to the structure.
- (C) The surface of the structure is clear of debris, brush, rocks and sediment.
- (D) Bottom of crossing is level with stream bottom.

7. Safety and Hazard Control

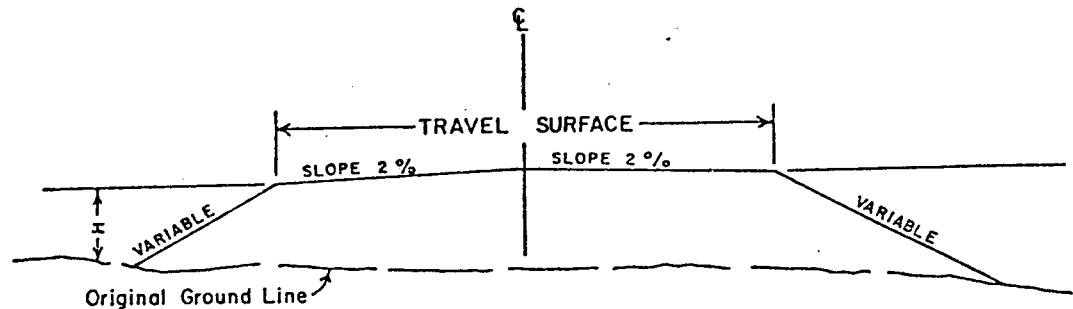
- (A) Sight distance free of shrubs, trees and obstacles and meets design standards.
- (B) Travel way and ditches free of overhanging trees and limbs. No down trees or branches in ditch area.
- (C) No unstable material above the roadway.



TYPICAL SIDE HILL SECTION



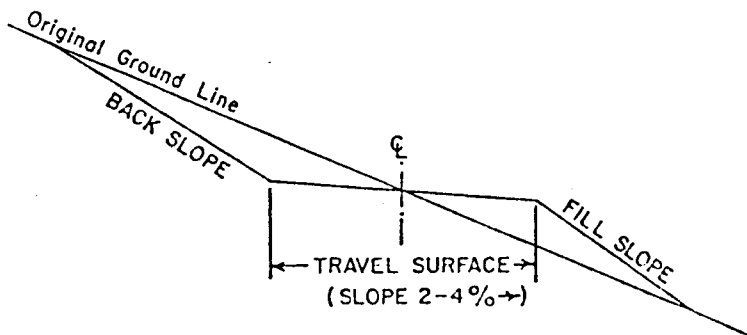
TYPICAL FULL CUT SECTION



TYPICAL EMBANKMENT SECTION

| Soil Conditions | Natural Ground Slope | Back Slope |
|-----------------|----------------------|------------|
| Normal Soil     | 0 - 30 %             | 1 1/2 : 1  |
| Normal Soil     | 30 - 55 %            | 1 : 1      |
| Normal Soil     | 55 % and over        | 3/4 : 1    |
| Solid Rock      | All Slopes           | 1/4 : 1    |

When the cuts are relatively shallow (under 4 feet), flatter slopes of 2 to 1 or 3 to 1 may be used.



TYPICAL OUTSLOPED SECTION

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

### TYPICAL ROAD SECTIONS (Class III)

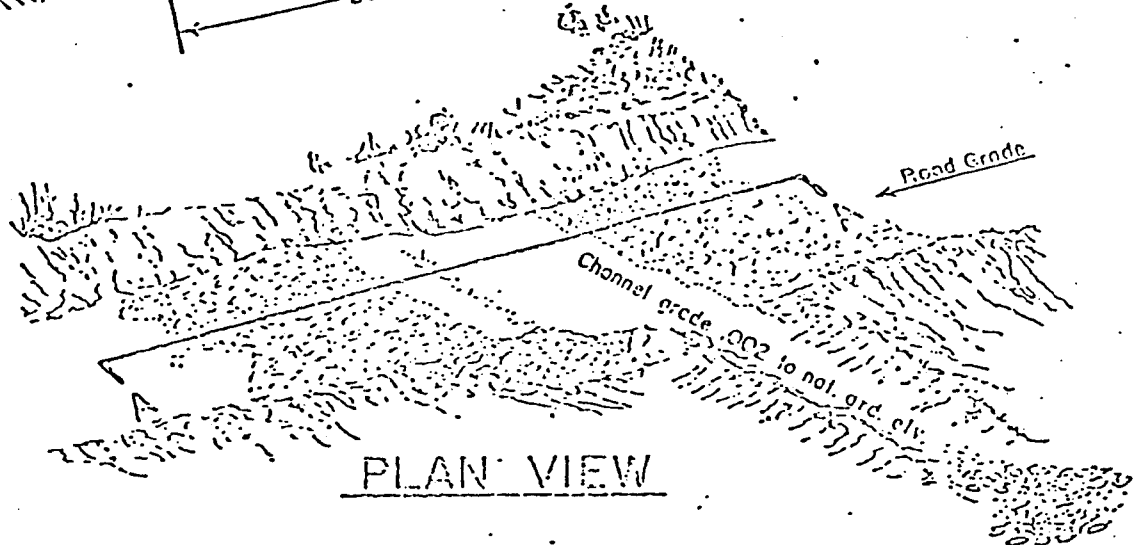
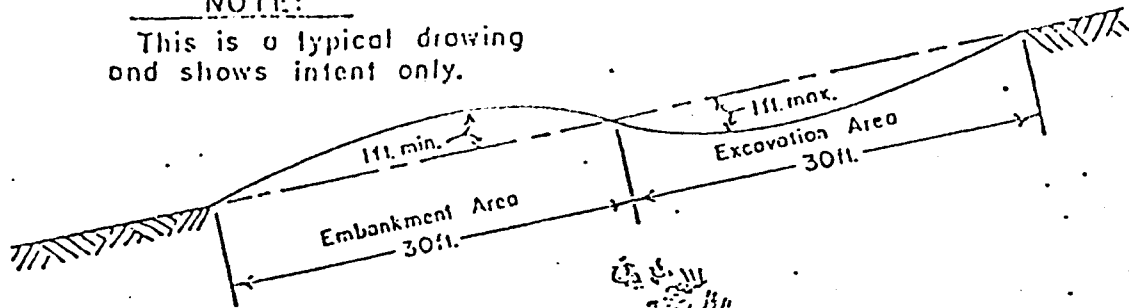
|                        |                                 |
|------------------------|---------------------------------|
| DESIGNED <u>R.A.D.</u> | RECOMM. _____                   |
| DRAWN <u>J.H.S.</u>    | RECOMM. <u>Robert A. Dallas</u> |
| CHECKED <u>R.A.D.</u>  | APPROVED <u>Colin P. Chitt</u>  |

|   |
|---|
| SCALE NONE  |
| DATE <u>8-5-81</u>   SHEET <u>   </u> OF <u>   </u> |
| DRAWING NO. _____                                   |

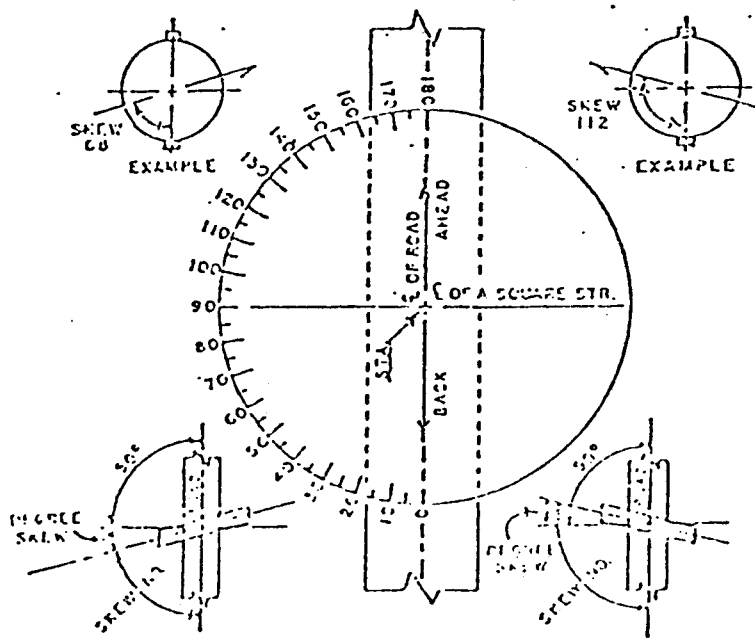
# TYPICAL DRAINAGE DIP SECTION A-A

## NOTE:

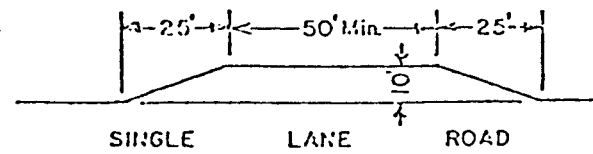
This is a typical drawing  
and shows intent only.



PLAN VIEW



SKEW TURNER DEFINITION  
(Culverts and Drainage Dips)



SINGLE LANE ROAD

TYPICAL TURNOUT

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## TYPICAL ROAD SECTIONS

|              |                                |
|--------------|--------------------------------|
| DESIGNED BY  | RECOMM.                        |
| DRAWN BY JLS | RECOMM. <i>Robert G. Bull</i>  |
| CHECKED BY   | APPROVED <i>Robert G. Bull</i> |

|             |
|-------------|
| SCALE NONE  |
| DATE 3-5-01 |
| DRAWING NO. |

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed

by: \_\_\_\_\_ and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

6-11-85

Date

\_\_\_\_\_  
Name and Title

ONSITE

DATE:

6/11/85

PARTICIPANTS:

TITLES:

JEFF Robbins  
Jake Green  
Beverly McGowan

BLM - Natural Resource Specialist  
Coors Energy Co. - Supervisor  
BLM Wildlife

Your contact with the District Office is:

Greg Noble

Office Phone:

801-259-6111

City:

MOAB

State:

Utah

Resource Area Manager's address and contacts are:

Address:

P.O. Box M, Moab, Utah 84532

Your contact is:

JEFF Robbins (Elmer Duncan)

Office Phone:

JEFF Robbins



d. Other: contact Grand County for a road permit

2. Planned Access Roads:

a. The maximum total disturbed width will be 20 feet.

b. Maximum grades: 3%

c. Turnouts: None

d. Location (centerline):

e. Drainage: None

f. Surface Materials: Dirt & Rock

g. Other: built to class III Road standards

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

4. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

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If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:

Water will be pumped in by truck - pumping  
line will have permit from BLM. Well side of  
location, distance will be 37 miles.

A temporary water use permit for this operation will be obtained from the Utah State Engineer:

Div. of water rights  
801-637-1703; Mark Page; P.O. Box 718, Price, UT 84501

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from:

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The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

7. Methods of Handling Water Disposal:

The reserve pit (will/will not) be lined"

An inspection will be made to determine whether  
to use liner or bentonite

Three sides of the reserve pit will be fenced with 3-strand  
barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash must be contained and disposed of by: trash cage

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If burning is required, a permit will be obtained from the State Fire Warden 801-259-6316.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

Other:

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8. Anticipated Starting Dates and Notification of Operations:

The operator will contact the GRAND Resource Area at 801-259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date (will/will not) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be

obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4 feet tall, build up soil material over cellar

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

<sup>operator's name</sup>  
"Fed" or "~~Ind~~", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

a. Location of proposed well in relation to town or other reference point:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. Proposed route to location:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c. Plans for improvement and/or maintenance of existing roads:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used:

*Hilaria jamesii*  
*Micholotus officinalis*  
*Medicago sativa*  
*Eurotia lanata*

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

Additional Requirements:

UT-060-3160-1  
(April 1984)

BUREAU OF LAND MANAGEMENT  
MOAB DISTRICT  
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company COORS Energy CO Well No. F-10LC  
Location: Sec. 10 T. 26 S R. 20 E Lease No. U-49391  
Onsite Inspection Date 6/11/85

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Estimated Depth at Which Oil, Gas, Water, or Mineral-Bearing Zones Are Expected to Be Encountered:

|                         | <u>Formation</u> | <u>Depth</u> |
|-------------------------|------------------|--------------|
| Expected oil zones:     | _____            | _____        |
| Expected gas zones:     | _____            | _____        |
| Expected water zones:   | _____            | _____        |
| Expected mineral zones: | _____            | _____        |

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. ~~The Resource Area will be notified \_\_\_\_\_ days in advance when pressure tests are to be conducted.~~

4. Casing Program and Auxiliary Equipment: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area (will/will not) be notified \_\_\_\_\_ days in advance when running casing strings and cement.

5. Mud Program and Circulating Medium: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

Blooe line will be misted to reduce fugitive dust when air drilling.

6. Coring, Logging, and Testing Program: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data opbtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.



8. Ancillary Facilities:

Camp facilities (will/will not) be required. They will be located:

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9. Well Site Layout:

The reserve pit will be located:

site layout Rotated 224° SE; Reserve pit located  
SW of hole; dimensions 25' X 100'

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The top \_\_\_\_\_ inches of soil material will be removed from the  
location and stockpiled separately on  
between stations 2 and 3 (map?) and between station  
7 and the drainages along with the trees.

Topsoil along the access road will be reserved in place adjacent to  
the road.

Access to the well pad will be from:

northwest between pit station B and well site  
station 7

---

The trash pit will be located:

SE area of pad trash cage

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10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location, and  
surrounding areas will be cleared of all remaining debris, materials,  
trash, and junk not required for production.

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Before any dirt work to restore the location and surrounding area  
will be cleared of all remaining debris, materials, trash and junk  
not required for production.

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The operator or his contractor (will/will not) notify the \_\_\_\_\_

GRAND Resource Area at 361-259-8197  
forty-eight (48) hours before starting reclamation work that involves  
earthmoving equipment and upon completion of restoration measures.

11. Surface and Mineral Ownership:

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12. Other Information:

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There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance (will/will not) be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative:

Name: 

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Address: 

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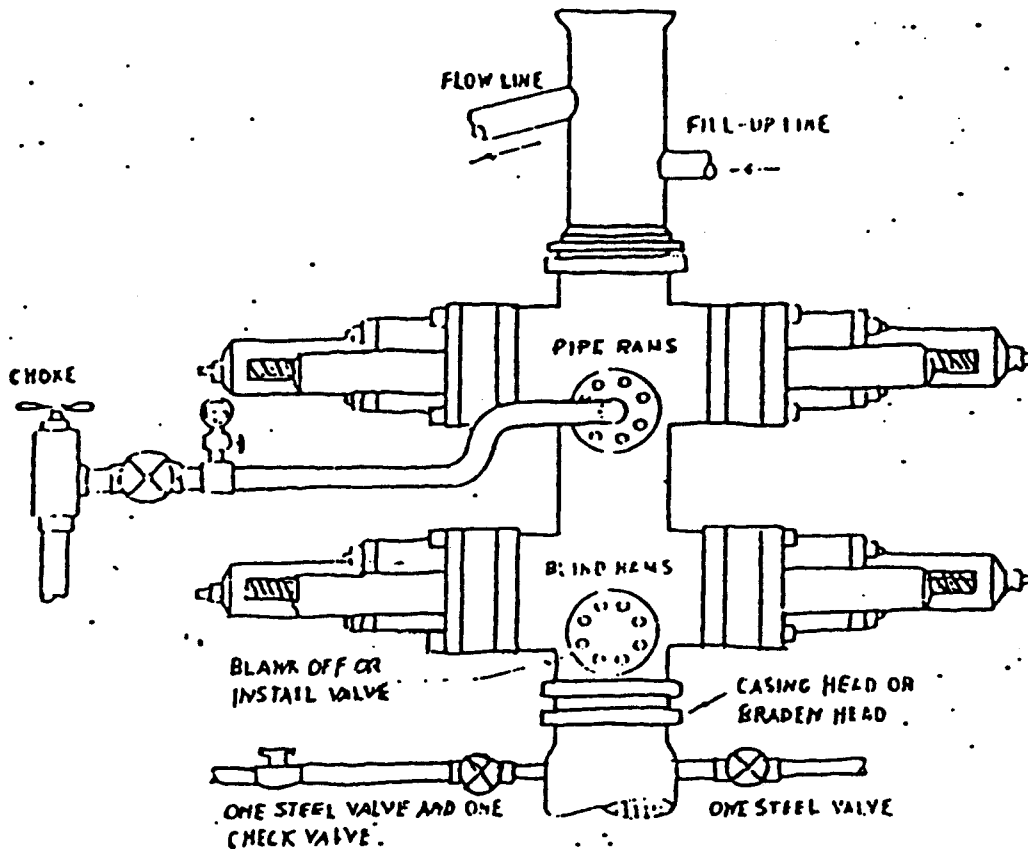
Phone No: 

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A) oil field traffic will use hwy, county Rd, and existing road to location and not use long canyon.

B) Drilling rig will move in and out only during the ~~weekend~~ days

## SPECIAL BOP INSTRUCTIONS



### THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- A. One double gate blowout preventer with lower rams blind and upper rams for pipe, all hydraulically controlled, opening on preventers between rams.
- B. Opening to be flanged, studded or clamped and at least two inches diameter.
- C. All connections from operating manifold to preventers to be all steel hose or tube a minimum of one inch in diameter.
- D. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the preventers.
- E. All connections to and from preventers to have a pressure rating equivalent to that of the BOPs.
- F. Manual controls to be installed before drilling cement plug.
- G. Valve to control flow through drill pipe to be located on Rig floor.
- H. Choke may be either positive or adjustable.  
A choke spool may be used between preventers.
- I. Casinghead or bradenhead flange will be 10" API Series 900
- J. After each string of casing is run, BOP and casinghead will be tested to 1000 psi.  
Pipe ram operation will be checked every 24 hours & blind rams checked every trip.



CERTIFICATION BY OPERATOR'S FIELD REPRESENTATIVE

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true, complete, and correct; and that the work associated with this plan will be carried on by Adolph Coors Company, and its contractors and subcontractors, in conformity with the plan and the terms and conditions under which it is approved.

6-18-85  
Date

R. L. Martin  
R. L. Martin  
Vice President, Oil & Gas Production

kr

EXHIBIT "K"

OPERATOR Crown Energy Co. DATE 6-26-85  
WELL NAME Crown USA 1-10 LC  
SEC SE/SW 10 T 26S R 20E COUNTY Shelby

43-019-31190  
API NUMBER

Ind  
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

No other wells within 1000'

Need water permit

Need exception for request

APPROVAL LETTER:

SPACING: ☐ A-3 \_\_\_\_\_  
UNIT

☐ C-3-a \_\_\_\_\_  
CAUSE NO. & DATE

☐ C-3-b

☒ C-3-c

STIPULATIONS:

1- Water

2- Exception for.

3- C-23



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 2, 1985

Coors Energy Company  
P. O. Box 467  
Golden, Colorado 80402

Gentlemen:

Re: Well No. Coors USA 1-10LC - SE SW Sec. 10, T. 26S, R. 20E  
967' FSL, 2095' FWL - Grand County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 500 feet of the proposed location.
3. Special attention is directed to compliance with Rule C-23 in the General Rules and Regulations and Rules of Practice and Procedure which prescribes drilling procedures for potash designated areas.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2  
Coors Energy Company  
Well No. Coors USA 1-10LC  
July 2, 1985

4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31190.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. J. Firth", is written over the typed name.

R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals



July 16, 1985

RECEIVED

JUL 18 1985

Mr. Ron Firth  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

DIVISION OF OIL  
GAS & MINING

Re: USA 1-10LC  
Section 10, T26S-R20E  
Additional Information for State Approval to Drill

Dear Ron:

Coors Energy Company and E.P. Operating Company (the designated operator) requests approval for an exception to Rule C-3(b) of the State of Utah, Board of Oil, Gas and Mining rules and regulations pertaining to general well spacing requirements.

Coors and E.P. cannot locate this well farther than 500' from the lease line due to the rough topography of the area. As shown on the attached topographic map, it is not possible to move the location any farther to the west due to a steep ledge trending northwest-southeast.

In reference to the verification of ownership, please see the attached Assignment of Lease from Davis Oil Company to Coors Energy Company for the SE/4 and NE/4 of Section 10, T26S-R20E. Note that Coors has leased all of Section 10, T26S-R20E.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 7/19/85  
BY: John R. Bays



Page 2  
USA 1-10LC  
Additional Information for Permit to Drill

Also find attached a copy of the Designation of Operator from Coors Energy Company to E.P. Operating Company. E.P. will be drilling this well as operator even though the permits are in the name of Coors Energy Company. The E.P. contact is:

Mr. Dusty Kinchen  
E.P. Operating Company  
7800 Stemmons Freeway, Suite 500  
Dallas, Texas 75247  
(214) 630-8711

Mr. Kinchen will notify you of spud date and file the appropriate State forms as stipulated in the July 2, 1982 letter of approval. If you have any further questions, please feel free to contact me at (303) 278-7030. Thank you.

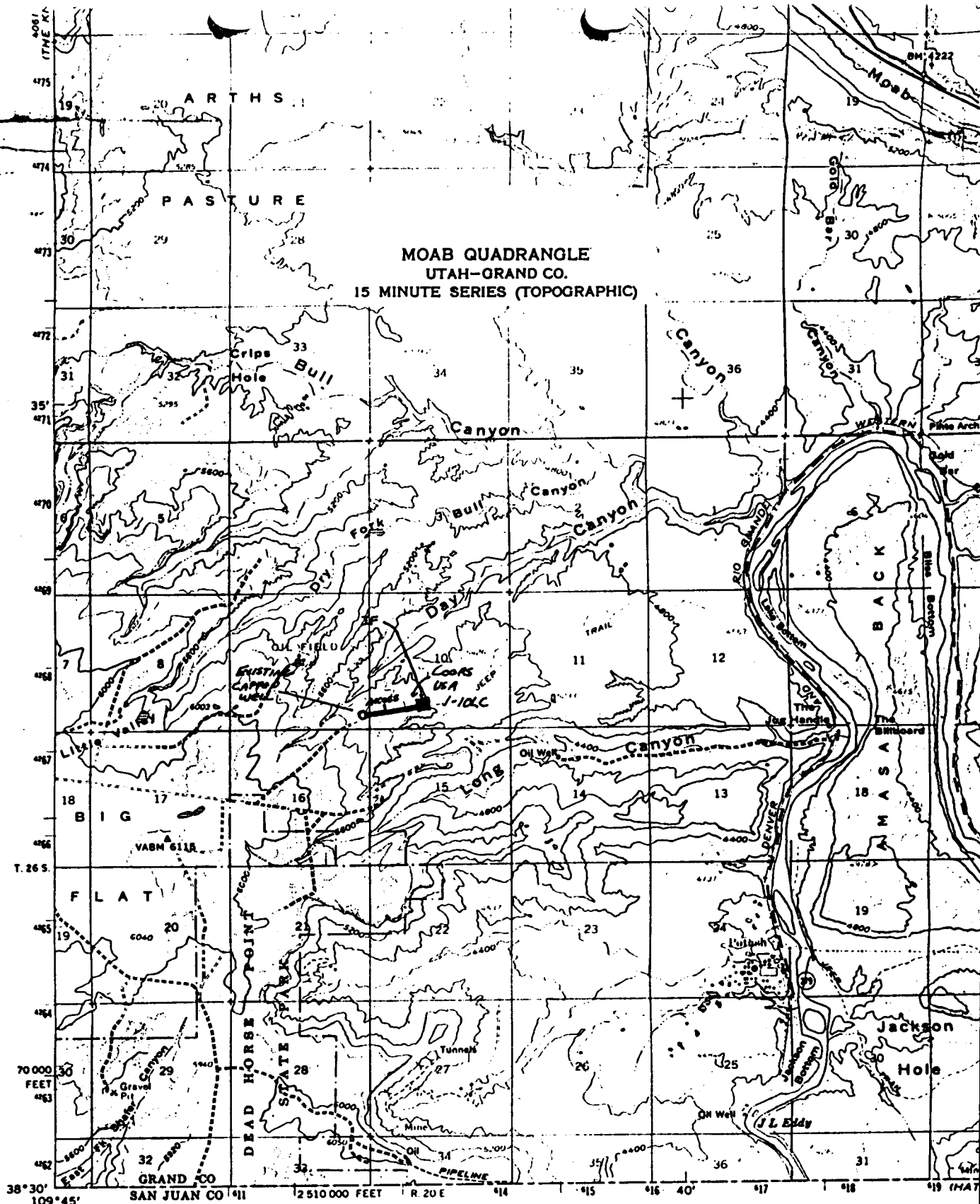
Very truly yours,



R. L. Martin  
Vice President  
Oil & Gas Operations

RLM:kr

Attachments



Mapped, edited, and published by the Geological Survey

-Control by USGS and USC&GS

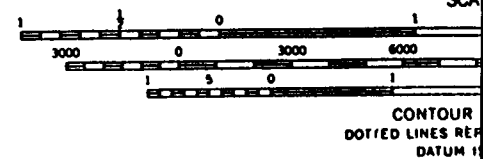
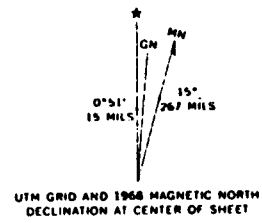
Topography from aerial photographs by photogrammetric methods  
Aerial photographs taken 1953. Field check 1959

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Utah coordinate system,  
central zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 12, shown in blue

Red tint indicates area in which only landmark buildings are shown

Revisions shown in purple compiled from aerial photographs  
taken 1968. This information not field checked

Purple tint indicates extension of urban areas



THIS MAP COMPLIES WITH N  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DE  
A FOLDER DESCRIBING TOPOGRAPHIC

(Submit in triplicate to appropriate  
BLM District Office)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Utah  
SERIAL NO.: U-49391

and hereby designates

NAME: Coors Energy Company

ADDRESS: P.O. Box 467

Golden, Colorado 80402

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 26 South, Range 20 East, SLM, Utah

Section 10: SW $\frac{1}{4}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$

Section 15: NW $\frac{1}{4}$

Containing 360.00 acres, more or less.  
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

ADOLPH COORS COMPANY

By: Max W. Goodwin

(Signature of lessee)

Max W. Goodwin

Executive Vice President

Golden, Colorado 80401

(Address)

June 28, 1985

(Date)

File in Duplicate

DIVISION OF OIL, GAS AND MINING  
OF THE STATE OF UTAH


DESIGNATION OF AGENT  
\*\*\*\*\*

The undersigned producer, operator, ~~transporter, refiner, gasoline or initial purchaser~~ who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas and Mining of the State of Utah, hereby appoint E P Operating Company, whose address is P.O. Box 2649, Dallas Texas 75221, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah, only for the drilling and related operations of the Coors USA 1-10 LC well (SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 10, T26S-R20E).

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation July 5, 1985

Company Coors Energy Company Address P.O. Box 467, Golden Colorado 80402

By  Title President  
(signature)

NOTE: Agent must be a resident of the State of Utah

E P Operating Company, a Limited Partnership; formerly Enserch Exploration, Inc. is licensed to conduct business in the State of Utah.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Utah  
SERIAL NO.: U-49391

and hereby designates

NAME: E P Operating Company, a Limited Partnership  
ADDRESS: P.O. Box 2649, Dallas, Texas 75221

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 26 South, Range 20 East, S.L.M.  
Section 10: SW $\frac{1}{4}$   
Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

COORS ENERGY COMPANY

By: Stephen B. Church

(Signature of lessee)

Stephen B. Church  
Vice President

P.O. Box 467, Golden, CO 80402  
(Address)

July 5, 1985  
(Date)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and theretodoes not require OMB approval.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE

FORM APPROVED  
OMB NO. 1004-0034  
Expires: August 31, 1985

|                         |              |
|-------------------------|--------------|
| Lease Serial No.        | U-53046      |
| Lease effective date    | July 1, 1983 |
| FOR BLM OFFICE USE ONLY |              |
| New Serial No.          |              |

PART I

|                            |  |
|----------------------------|--|
| Assignee's Name            | COORS ENERGY COMPANY                   |
| Address (include zip code) | P.O. Box 467<br>Golden, Colorado 80402 |

The undersigned, as owner of 100.0 percent of the record title of the above-designated oil and gas lease, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

|  |   |
|--|---|
| Describe the lands affected by this assignment   | Assignment approved as to lands described below   |
| Township 26 South, Range 20 East, SLM.<br>Section 10: NE/4<br>Grand County, Utah<br>Containing 160.00 acres, more or less. | SAME LAND AS ITEM 2<br><br>RECEIVED<br><br>JUL 18 1985<br><br>DIVISION OF OIL<br>GAS & MINING |

STATE OF UTAH )  
COUNTY OF SALT LAKE ) ss.

On this day of JUN 27 1985, before me appeared Robert Lopez, to me personally known, who being by me duly sworn did say that he is Chief of the Minerals Adjudication Section, Bureau of Land Management, and that the original of the foregoing instrument was signed on behalf of said Bureau, and that he acknowledged said instrument to be the free and voluntary act of said Bureau.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the month, day, and year first above written.

*Robert M. McKenna*  
Notary Public  
324 South State Street, Suite 301  
Salt Lake City, Utah 84111-2303

My Commission Expires: OCT 18 1986

UT 3100-82a (3/85)

Denver CO 80202-4472  
(City) (State) (Zip Code)

I, the undersigned, do hereby certify that the foregoing is a true and correct copy of the original as shown to me, and that I am not aware of any person knowingly and willfully to make to any department or agency of the United States any false or misleading statement or representation as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

By *Robert Lopez*  
(Authorized Officer)  
Chief, Minerals Adjudication Section JUN 27 1985  
(Title) (Date)

## PART II

## ASSIGNEE'S REQUEST FOR APPROVAL OF ASSIGNMENT

- ASSIGNEE CERTIFIES THAT the assignee and all other parties in interest in the assignment are:
- Citizens of the United States or qualified alien stockholders in a domestic corporation, association of the United States or any State or Territory thereof; or municipalities.
  - Of the age of majority in the State where the lands to be assigned are located.
  - In compliance with the acreage limitation set forth in 43 CFR 3101.1-5 and 3101.2-4.
- ASSIGNEE AGREES That, upon approval of this assignment by the authorized officer of the Bureau of Land Management, he will be bound by the terms and conditions of the lease described herein as to the lands covered by this assignment, including, but not limited to, the obligation to pay all rentals and royalties due and accruing under said lease, to condition all wells for proper abandonment, to restore the leased lands upon completion of any drilling operations as prescribed in the lease, and to furnish and maintain such bond as may be required by the lessor to assure compliance with the terms and conditions of the lease and the applicable regulations.
- IT IS HEREBY CERTIFIED That the statements made herein are true, complete, and correct to the best of undersigned's knowledge and belief and are made in good faith.

executed this 21st day of June, 1985

COORS ENERGY COMPANY

By: Stephen B. Church  
(Assignee's Signature)

Stephen B. Church, Vice President

P.O. Box 467

(Assignee's Address)

Golden  
(City)

Colorado  
(State)

80402  
(Zip Code)

title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

## INSTRUCTIONS

- USE OF FORM - Use only for assignment of record title interest in oil and gas leases. If more than one assignment is made out of a lease, a separate instrument of transfer is required for each assignment. A separate instrument of assignment shall be used for each lease out of which an assignment is made.
- FILING AND NUMBER OF COPIES - File three (3) completed and manually signed copies in the appropriate BLM office. A \$25.00 nonrefundable filing fee *must* accompany the assignment. File assignment within ninety (90) days *after* date of final execution.
3. EFFECTIVE DATE OF ASSIGNMENT - Assignment, if approved, takes effect on the first day of the month following the date of filing of *all* required papers. If bond is necessary, it *must* be furnished prior to approval of the assignment.
4. EFFECT OF ASSIGNMENT - Approval of assignment of a definitely described portion of the leased lands creates separate leases of the retained and the assigned portions. It does *not* change the terms and conditions of the lease or the lease anniversary date for purposes of payment of annual rental.
5. A copy of the lease out of which this assignment is made should be obtained from the assignor.

STATE OF COLORADO )  
 ) SS  
COUNTY OF DENVER )

The foregoing instrument acknowledged before me this 21st day of May, 1985, by Paul Messinger, Attorney In Fact for DAVIS OIL COMPANY, a Partnership.

Witness my hand and official seal.

My Commission Expires:  
April 8, 1986

Joan Pittman  
Notary Public  
1200 Holly - Denver, Colorado 80220

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE

FORM APPROVED  
OMB NO. 1004-0034  
Expires: August 31, 1985

Lease Serial No.

U-53046

Lease effective date

July 1, 1983

FOR BLM OFFICE USE ONLY

New Serial No.

PART I

1. Assignee's Name

COORS ENERGY COMPANY

Address (include zip code)

P.O. Box 467  
Golden, Colorado 80402

The undersigned, as owner of 100.0 percent of the record title of the above-designated oil and gas lease, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment

Assignment approved as to lands described below

Township 26 South, Range 20 East, SLM.

Section 10: NE/4

Grand County, Utah

Containing 160.00 acres, more or less.

SAME LAND AS ITEM 2

Specify interest or percent of assignor's record title interest being conveyed to assignee

100.0%

Specify interest or percent of record title interest being retained by assignor, if any

NONE

Specify overriding royalty being reserved by assignor

NONE

Specify overriding royalty previously reserved or conveyed, if any

7.5%

7. If any payments out of production have previously been created out of this lease, or if any such payments are being reserved under this assignment, attach statement giving full details as to amount, method of payment, and other pertinent terms as provided under 43 CFR 3106.

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17 1/2 percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 21st day of May, 1985

DAVIS OIL COMPANY, a Partnership

By Paul Messinger  
(Assignor's signature)  
Paul Messinger, Attorney in Fact

410 Seventeenth Street, Suite 1400  
(Assignor's Address)

Denver CO 80202-4472  
(City) (State) (Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

JUL 01 1985

Assignment approved effective

By Robert Lopez  
(Authorized Officer)

Chief, Minerals  
Adjudication Section

JUN 27 1985

(Title)

(Date)

NOTE: This form may be reproduced provided that copies are exact reproductions on one sheet of both sides of this official form in accordance with provisions of 43 CFR 3106.

D-11342



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE  
TO OIL AND GAS LEASE

FORM APPROVED  
OMB NO. 1004-0034  
Expires: August 31, 1985

Lease Serial No.

U-44014

Lease effective date

December 1, 1979

FOR BLM OFFICE USE ONLY

New Serial No.

PART I

1. Assignee's Name

COORS ENERGY COMPANY

Address (include zip code)

P.O. Box 467  
Golden, Colorado 80402

The undersigned, as owner of 100.0 percent of the record title of the above-designated oil and gas lease, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment

Assignment approved as to lands described below

T. 26 S., R. 20 E., SLM

Sec. 4: Lots 1, 2, 3, 4, 5, 6, 7, 8,  
S/2N/2, N/2S/2, SE/4SE/4

Sec. 10: E/2NW/4, SE/4

Sec. 15: E/2E/2

Grand County, Utah

Containing 995.76 acres, more or less.

SAME LAND AS ITEM 2.

Specify interest or percent of assignor's record title interest being conveyed to assignee

100.0%

Specify interest or percent of record title interest being retained by assignor, if any

NONE

Specify overriding royalty being reserved by assignor

NONE

Specify overriding royalty previously reserved or conveyed, if any

8.0%

If any payments out of production have previously been created out of this lease, or if any such payments are being reserved under this assignment, attach statement giving full details as to amount, method of payment, and other pertinent terms as provided under 43 CFR 3106.

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17 1/2 percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 21st day of May, 1985

DAVIS OIL COMPANY, a Partnership

By Paul Messinger  
(Assignor's Signature)  
Paul Messinger, Attorney in Fact

410 Seventeenth Street, Suite 1400

(Assignor's Address)

SEE ATTACHED FOR ADDITIONAL  
ASSIGNORS

Denver

CO

80202-4472

(City)

(State)

(Zip Code)

U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

Approved effective JUL 01 1985

By

Robert Pope  
Chief, Minerals  
Adjudication Section

(Authorized Officer)

JUN 27 1985

(Title)

(Date)

This form may be reproduced provided that copies are exact reproductions on one sheet of both sides of this official form in accordance with provisions of 43 CFR 3106.

D-8945

## PART II

## ASSIGNEE'S REQUEST FOR APPROVAL OF ASSIGNMENT

A. ASSIGNEE CERTIFIES THAT the assignee and all other parties in interest (as defined in 43 CFR 3100.0-5(b)) in this assignment are:

1. Citizens of the United States or qualified alien stockholders in a domestic corporation; associations of the United States; or any State or Territory thereof; or municipalities.
2. Of the age of majority in the State where the lands to be assigned are located.
3. In compliance with the acreage limitation set forth in 43 CFR 3101.1-5 and 3101.2-4.

B. ASSIGNEE AGREES That, upon approval of this assignment by the authorized officer of the Bureau of Land Management, he will be bound by the terms and conditions of the lease described herein as to the lands covered by this assignment, including, but not limited to, the obligation to pay all rentals and royalties due and accruing under said lease, to condition all wells for proper abandonment, to restore the leased lands upon completion of any drilling operations as prescribed in the lease, and to furnish and maintain such bond as may be required by the lessor to assure compliance with the terms and conditions of the lease and the applicable regulations.

C. IT IS HEREBY CERTIFIED That the statements made herein are true, complete, and correct to the best of undersigned's knowledge and belief and are made in good faith.

Executed this 21st day of June, 1985

COORS ENERGY COMPANY

By: Stephen B. Church  
(Assignee's Signature)

Stephen B. Church, Vice President

P.O. Box 467

(Assignee's Address)

Golden

(City)

Colorado

(State)

80402

(Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

## INSTRUCTIONS

1. USE OF FORM - Use only for assignment of record title interest in oil and gas leases. If more than one assignment is made out of a lease, a separate instrument of transfer is required for each assignment. A separate instrument of assignment shall be used for each lease out of which an assignment is made.
2. FILING AND NUMBER OF COPIES - File three (3) completed and manually signed copies in the appropriate BLM office. A \$25.00 nonrefundable filing fee must accompany the assignment. File assignment within ninety (90) days after date of final execution.
3. EFFECTIVE DATE OF ASSIGNMENT - Assignment, if approved, takes effect on the first day of the month following the date of filing of all required papers. If bond is necessary, it must be furnished prior to approval of the assignment.
4. EFFECT OF ASSIGNMENT - Approval of assignment of a definitely described portion of the leased lands creates separate leases of the retained and the assigned portions. It does not change the terms and conditions of the lease or the lease anniversary date for purposes of payment of annual rental.
5. A copy of the lease out of which this assignment is made should be obtained from the assignor.

## NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this assignment and request for approval.

AUTHORITY: 30 U.S.C. 181 et. seq.

PRINCIPAL PURPOSE - The information is to be used to process the assignment and request for approval.

## ROUTINE USES:

- (1) The adjudication of the assignee's rights to the land or resources.
- (2) Documentation for public information in support of notations made on land status records for the management, disposal, and use of public lands and resources.
- (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - If all the information is not provided, the assignment may be rejected.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that:

Bureau of Land Management collects this information pursuant to the law (see 43 CFR 3106-3(c)).

Bureau of Land Management uses the information to create a record of lease assignment and to determine the qualifications of assignees.

Federal lessee is obligated to report this information under provisions of 43 CFR 3106.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN  
(Other Instru  
verse side)

TE  
re

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

|  |  |
|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   | 7. UNIT AGREEMENT NAME<br>NA   |
| 2. NAME OF OPERATOR<br>EP Operating Company  | 8. FARM OR LEASE NAME<br>Coors USA   |
| 3. ADDRESS OF OPERATOR<br>7800 Stemmons Frwy - Suite 500 - Dallas, Texas   | 9. WELL NO.<br>1-10 LC   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>2095' FWL & 967' FSL<br>SE-SW | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat  |
| 14. PERMIT NO.<br>API 43-019-31190   | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Section 10, T26S-R20E<br>S.L.B.&M. |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5634' GR   | 12. COUNTY OR PARISH<br>Grand  |
|  | 13. STATE<br>Utah  |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: |                                     | SUBSEQUENT REPORT OF: |                          |
|-------------------------|-------------------------------------|-----------------------|--------------------------|
| TEST WATER SHUT-OFF     | <input type="checkbox"/>            | WATER SHUT-OFF        | <input type="checkbox"/> |
| FRACTURE TREAT          | <input type="checkbox"/>            | FRACTURE TREATMENT    | <input type="checkbox"/> |
| SHOOT OR ACIDIZE        | <input type="checkbox"/>            | SHOOTING OR ACIDIZING | <input type="checkbox"/> |
| REPAIR WELL             | <input type="checkbox"/>            | (Other)               | <input type="checkbox"/> |
| (Other)                 | <input type="checkbox"/>            |                       | <input type="checkbox"/> |
| PULL OR ALTER CASING    | <input type="checkbox"/>            | REPAIRING WELL        | <input type="checkbox"/> |
| MULTIPLE COMPLETE       | <input type="checkbox"/>            | ALTERING CASING       | <input type="checkbox"/> |
| ABANDON*                | <input type="checkbox"/>            | ABANDONMENT*          | <input type="checkbox"/> |
| CHANGE PLANS            | <input checked="" type="checkbox"/> |                       |                          |

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The surface casing string was proposed as follows:

400', 13-3/8", 54# casing in a 17-1/2" hole - 300sx

We request a change to the following:

1000', 13-3/8", 48# casing in a 17-1/2" hole - cemented to surface

Our experience in the area has shown 1000' of surface pipe to be necessary to fully case off the Chinle and Moenkopi which cause lost circulation and hole stability problems. The 48# casing is adequate for the conditions anticipated.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

Federal approval of this action  
is required before commencing  
operations.

DATE: 7/22/85  
BY: John R. Bays

18. I hereby certify that the foregoing is true and correct

SIGNED: C. H. Peeples TITLE: Regional Drilling Manager DATE: July 19, 1985

(This space for Federal or State office use)

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

|  |  |   |
|--|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>Federal U-49391                                  |
| 2. NAME OF OPERATOR<br>EP Operating Company <i>Coors</i> (214) 630-8711  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>N/A   |
| 3. ADDRESS OF OPERATOR<br>7800 Stemmons Frwy., Suite #500, Dallas, Texas 75247   |  | 7. UNIT AGREEMENT NAME<br>N/A   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br>2095' FWL & 967' FSL<br>SE - SW |  | 8. FARM OR LEASE NAME<br>Coors USA  |
| 14. PERMIT NO.<br>API 43-019-31190   | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5634' GR | 9. WELL NO.<br>1-10 LC  |
|  |  | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat   |
|  |  | 11. SEC., T., R., M., OR BLK. AND SUBSY OR AREA<br>Section 10, T-26-S,<br>R-20-E, SLB&M |
|  |  | 12. COUNTY OR PARISH<br>Grand   |
|  |  | 13. STATE<br>Utah   |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

|  |   |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         |
| (Other) <input type="checkbox"/>             |   |

SUBSEQUENT REPORT OF:

|  |  |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/>        | REPAIRING WELL <input type="checkbox"/>          |
| FRACTURE TREATMENT <input type="checkbox"/>    | ALTERING CASING <input type="checkbox"/>         |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| (Other) <u>Spudding</u>                        |  |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spudded 17-1/2" surface hole at 5:00 PM, 8/31/85.  
Drilling at 168'.

RECEIVED

SEP 09 1985

DIVISION OF OIL  
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED C. H. Peeples  
C. H. Peeples  
(This space for Federal or State office use)

TITLE Regional Drilling Manager

DATE 9/3/85

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

ATTN: COMPUTER ROOM



DRESSER ATLAS DIVISION, DRESSER INDUSTRIES, INC.

1532 METRO BANK BUILDING

DENVER, COLORADO

303/293-0613 80202

OCT 30 1985

TO:

State of Utah  
Div. of Oil, Gas & Mining  
355 West North Temple  
Three Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

DIVISION OF OIL  
GAS & MINING

DATE:

10-28-85

SUBJECT

DCC#: 3302

RE: ACSIG

TO WHOM IT MAY CONCERN:

ENCLOSED IS WELL LOG DATA. PLEASE ACKNOWLEDGE RECEIPT OF THE MATERIAL DESCRIBED BELOW BY SIGNING AND RETURNING THIS LETTER. YOUR COOPERATION WILL BE MOST APPRECIATED. THANK YOU. *sent 10-30-85*

WELL

DATA

COMPANY: E.P. Operating Co.

WELL: Coors USA No. 140-1C

FIELD: Kane Creek Prospect

COUNTY, STATE: Grand, Utah

TRANSMITTED BY:

(MAIL)

AIRFREIGHT (#): \_\_\_\_\_

COUNTER TO COUNTER (#): \_\_\_\_\_

FEDERAL EXPRESS (#): \_\_\_\_\_

EXPRESS MAIL (#): \_\_\_\_\_

HAND DELIVERY (BY): \_\_\_\_\_

\_\_\_\_\_ 600' TAPE REEL

\_\_\_\_\_ COMPUTER LISTER

\_\_\_\_\_ SEPIA PRINT (S)

\_\_\_\_\_ VERSATEC PLOT(S)

\_\_\_\_\_ DATA SHEET (S)

\_\_\_\_\_ 1 LOG PRINT (S)

\_\_\_\_\_ FILM (S)

\_\_\_\_\_ BOOK (S)

SINCERELY,

*Sydney Potter*

\*\*\* RECEIVED BY: Juli Lewis

\*\*\* DATE RECEIVED: 10/30/85

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

NOV 04 1985

DIVISION OF OIL  
GAS & MINING

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Dry Hole

2. NAME OF OPERATOR  
EP Operating Company

3. ADDRESS OF OPERATOR  
7800 Stemmons Frwy., Suite 500 - Dallas, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
2095' FWL & 967' FSL  
SE-SW

14. PERMIT NO.  
API 43-019-31190

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5634' GR

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-49391

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Coors USA

9. WELL NO.

1-10LC

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 10, T26S-R20E

S. L. B. & M.

12. COUNTY OR PARISH 13. STATE

Grand

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Drilling Operations

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Report of Operations during September, 1985

Finished drilling 17-1/2 inch hole to 1000 feet and ran 13-3/8 inch, 48#, H-40, STC casing to 996 feet. Attempted to load hole with fresh water with no returns. Attempted to cement with 580 sacks Lite and 200 sacks Class "H", cement taken on vacuum. Could not fill casing. Made three more attempts with 200 sacks each Class "H" + 10#/sack Calseal. Cement still taken on vacuum. Pumped 100 barrels 45#/barrel LCM pill. Filled hole and cemented 200 sacks Class "B" + 10#/sack Calseal + 25#/sack Gilsonite. Ran temperature survey and found cement to 350 feet. Topped out with 100 sacks Class "H". Installed 13-3/8 inch x 13-5/8 inch, 3000 psi wellhead. Nippled up BOPE. Test casing to 1000 psi. Drilled 12-1/4 inch hole to 4152 feet. Ran FDC/GR/CAL logs. Ran 9-5/8 inch, 40#, SS95, LTC casing to 4112 feet and cemented with 250 sacks Lite + 10#/sack Gilsonite and 300 sacks Class "H" + 2% CC and topped out with 100 sacks Class "H" + 2% cc. Installed 9-5/8 inch x 11 inch, 5000 psi wellhead and nippled up BOPE. Tested rams and surface equipment to 5000 psi and test annular to 2500 psi. Tested casing to 1000 psi. Drilled out with 8-3/4 inch bit and tested casing seat to 16.5 ppg. Drilling at 6676 feet on September 30, 1985.

18. I hereby certify that the foregoing is true and correct

SIGNED

*C. H. Peeples*  
C. H. Peeples

TITLE Regional Drilling Manager

DATE October 29, 1985

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

Federal U-49391

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Coors USA

9. WELL NO.

1-10LC

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 10, T26S-R20E  
S.L.B. & M.

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back in. Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

NOV 04 1985

DIVISION OF OIL  
GAS & MINING

1.

OIL  
WELL ☐

GAS  
WELL ☐

OTHER

Dry Hole

2. NAME OF OPERATOR

EP Operating Company

3. ADDRESS OF OPERATOR

7800 Stemmons Frwy., Suite 500 - Dallas, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)

At surface

2095' FWL & 967' FSL

SE-SW

14. PERMIT NO.

API 43-019-31190

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5634' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Drilling Operations

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Report of Operations for the month of October, 1985

Drilled 8-3/4 inch hole to 8550 feet (T.D.). Ran DST from 8468 feet to 8550 feet (Mississippian) and recovered 4420 feet drilling mud and 2000 feet salt water. Ran deviation survey through the Paradox Salt. Ran open-hole logs as follows: Sonic/CAL/GR; FDC/CNL/CAL/GR; DIL/MSFL/GR/CAL; Gyro. Received verbal approval to plug and abandon. Set plugs as follows:

8100' - 7900' - 112 sacks Class "H"  
4252' - 4052' - 92 sacks Class "H"  
Surface - 65 sacks Class "H"

Last plug set and rig released on 10-20-85.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE 11/8/85

BY John R. Bayne

18. I hereby certify that the foregoing is true and correct

SIGNED

C. H. Peeples

TITLE Regional Drilling Manager

DATE

October 29, 1985

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Form OGC-3

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT IN DUPLICATE\*  
 (See other instructions  
 on reverse side)

56 64 01

14

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

|   |  |  |   |   |   |
|---|--|--|---|---|---|
| 1a. TYPE OF WELL:   |  | OIL WELL <input type="checkbox"/>                | GAS WELL <input type="checkbox"/>                   | DRY <input checked="" type="checkbox"/> | Other _____                               |
| b. TYPE OF COMPLETION:  |  |  |   |   |   |
| NEW WELL <input type="checkbox"/>   | WORK OVER <input type="checkbox"/>                                   | DEEP-EN <input type="checkbox"/>                 | PLUG BACK <input type="checkbox"/>                  | DIFF. RESVR. <input type="checkbox"/>   | Other <u>Plug &amp; Abandon</u>           |
| 2. NAME OF OPERATOR<br>EP Operating Company <u>Coors</u> 214/630-8711   |  |  |   |   |   |
| 3. ADDRESS OF OPERATOR<br>7800 Stemmons Frwy., Suite 500, Dallas, Texas 75242   |  |  |   |   |   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 2095' FWL & 967' FSL SE-SW<br>At top prod. interval reported below<br>At total depth |  |  |   |   |   |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">         RECEIVED<br/>         NOV 04 1985<br/>         DIVISION OF OIL GAS &amp; MINING       </div>                |  |  |   |   |   |
| 14. PERMIT NO.  |  | DATE ISSUED                                      |   |   |   |
| API 43-019-31190  |  | 7/2/85   |   |   |   |
| 5. LEASE DESIGNATION AND SERIAL NO.   |  | Federal U-49391                                  |   |   |   |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>NA  |  |  |   |   |   |
| 7. UNIT AGREEMENT NAME<br>NA  |  |  |   |   |   |
| 8. FARM OR LEASE NAME<br>Coors USA  |  |  |   |   |   |
| 9. WELL NO.<br>1-10LC   |  |  |   |   |   |
| 10. FIELD AND POOL, OR WILDCAT<br>Wildcat   |  |  |   |   |   |
| 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA<br>Section 10, T26S-R20E<br>S. L. B. & M.   |  |  |   |   |   |
| 12. COUNTY OR PARISH<br>Grand   |  |  | 13. STATE<br>Utah                                   |   |   |
| 15. DATE SPUDDED<br>8-31-85   | 16. DATE T.D. REACHED<br>10-16-85                                    | 17. DATE COMPL. (Ready to prod.)<br>10-20-85 P&A | 18. ELEVATIONS (OF RES., RT, GR, ETC.)*<br>5634' GR | 19. ELEV. CASING HEAD<br>5654' KB       |   |
| 20. TOTAL DEPTH, MD & TVD<br>8550' MD   | 21. PLUG, BACK T.D., MD & TVD<br>Surface                             | 22. IF MULTIPLE COMPL., HOW MANY*                | 23. INTERVALS DRILLED BY<br>→                       | ROTARY TOOLS<br>0' - 8550'              | CABLE TOOLS                               |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*<br>None   |  |  |   |   | 25. WAS DIRECTIONAL SURVEY MADE<br>Yes    |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Sonic/GR/CAL; FDC/CNL/GR/CAL; DIL/MSFL/GR/CAL; Gyro   |  |  |   |   | 27. WAS WELL CORED<br>No                  |
| 28. CASING RECORD (Report all strings set in well)  |  |  |   |   |   |
| CASING SIZE   | WEIGHT, LB./FT.  | DEPTH SET (MD)                                   | HOLE SIZE   | CEMENTING RECORD                        | AMOUNT PULLED                             |
| 13-3/8"   | 48#  | 996'   | 17-1/2"   | Cemented to Surface-300sx               | None                                      |
| 9-5/8"  | 40#  | 4112'  | 12-1/4"   | 550 sks - Top at 1730'                  | None                                      |
|   |  |  |   | 100 sks - Top Out                       |   |
| 29. LINER RECORD  |  |  |   |   | 30. TUBING RECORD                         |
| SIZE  | TOP (MD)   | BOTTOM (MD)                                      | SACKS CEMENT*                                       | SCREEN (MD)                             | SIZE                                      |
|   |  |  |   |   | DEPTH SET (MD)                            |
|   |  |  |   |   | PACKER SET (MD)                           |
| 31. PERFORATION RECORD (Interval, size and number)  |  |  | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.      |   |   |
|   |  |  | DEPTH INTERVAL (MD)                                 | AMOUNT AND KIND OF MATERIAL USED        |   |
|   |  |  | Plugs set:  |   |   |
|   |  |  | 8100' - 7900'                                       | 112 sks Class "H"                       |   |
|   |  |  | 4252' - 4052'                                       | 92 sks Class "H"                        |   |
|   |  |  | Surface   | 65 sks Class "H"                        |   |
| 33.* PRODUCTION   |  |  |   |   |   |
| DATE FIRST PRODUCTION<br>NA   | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |  |   |   | WELL STATUS (Producing or shut-in)<br>DJA |
| DATE OF TEST  | HOURS TESTED   | CHOKE SIZE                                       | PROD'N. FOR TEST PERIOD                             | OIL—BSL.                                | GAS—MCF.                                  |
|   |  |  |   |   | WATER—BSL.                                |
| FLOW. TUBING PRESS.   | CASING PRESSURE  | CALCULATED 24-HOUR RATE                          | OIL—BSL.  | GAS—MCF.                                | WATER—BSL.                                |
|   |  |  |   |   | OIL GRAVITY-API (CORR.)                   |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  |  |  |   |   | TEST WITNESSED BY                         |
| 35. LIST OF ATTACHMENTS<br>Logs, Test Reports and other information will be submitted by Service Company  |  |  |   |   |   |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records   |  |  |   |   |   |
| SIGNED <u>C. H. Peeples</u>   |  | TITLE <u>Regional Drilling Manager</u>           |   | DATE <u>October 29, 1985</u>            |   |

\*(See Instructions and Spaces for Additional Data on Reverse Side)



# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>DEEPER INTERVALS TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES |      |        | 38. GEOLOGIC MARKERS  |                 |             |                  |
|---|------|--------|---|-----------------|-------------|------------------|
| FORMATION   | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.   | NAME            | MEAS. DEPTH | TRUE VERT. DEPTH |
| DST   |      |        |   |                 |             |                  |
| Mississippian   | 8468 | 8550   | Flow Periods: IF 5 Minutes<br>ISI 30 Minutes<br>FF 45 Minutes<br>FSI 60 minutes<br><br>Recovery: 4420' Mud<br>2000' Salt Water<br><br>Sample Chamber: 2300 cc's Salt Water<br><br>Charts Not Readable | Paradox Salt #2 | 4112'       |                  |
|   |      |        |   | Clastic #16     | 6334'       |                  |
|   |      |        |   | Clastic #17     | 6501'       |                  |
|   |      |        |   | Cone Creek      | 7441'       |                  |
|   |      |        |   | Lower Hermosa   | 7826'       |                  |
|   |      |        |   | Miss. Leadville | 7900'       |                  |
|   |      |        |   | Miss. Madison   | 8420'       |                  |

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

RECEIVED

NOV 04 1985

DIVISION OF OIL  
GAS & MINING

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Coors USA No. 1-10LC  
Operator EP Operating Company Address 7800 Stemmons Frwy., #500 - Dallas, TX 75247  
Contractor Nicor Rig 36 Address Grand Junction, Colorado  
Location SE 1/4 SW 1/4 Sec. 10 T. 26S R. 20E County Grand

Water Sands

|    | <u>Depth</u>                | <u>Volume</u>     | <u>Quality</u> |
|----|-----------------------------|-------------------|----------------|
|    | From To                     | Flow Rate or Head | Fresh or Salty |
| 1. | <u>No Water Encountered</u> |                   |                |
| 2. | <u></u>                     |                   |                |
| 3. | <u></u>                     |                   |                |
| 4. | <u></u>                     |                   |                |
| 5. | <u></u>                     |                   |                |

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

REPORT NO.  
08703F

PAGE NO. 1

TEST DATE:  
18-OCT-85

## WELL PERFORMANCE

### TESTING™ REPORT

A Production System Analysis (NODAL™)  
Based On Model Verified™ Interpretation

FLOPETROL JOHNSTON

**Schlumberger**  
**RECEIVED**

NOV 04 1985

Company: E P OPERATING

Well: COORS USA 1-10

#### TEST IDENTIFICATION

Test Type ..... MFE OH DST  
Test No. .... 1  
Formation .....  
Test Interval (ft) ..... 8468 - 8550  
Reference Depth ..... KELLY BUSHING

#### WELL LOCATION

Field .....  
County ..... GRAND  
State ..... UTAH  
Sec/Twn/Rng ..... S10T26SR20E  
Elevation (ft) .....

#### HOLE CONDITIONS

Total Depth (MD/TUD) (ft) .... 8550/8550  
Hole Size (in) ..... 8.75  
Casing/Liner I.D. (in) .....  
Perf'd Interval/Net Pay (ft).. /82  
Shot Density/Diameter (in) ...

#### MUD PROPERTIES

Mud Type ..... SAT. SALT GEL  
Mud Weight (lb/gal) ..... 8.8  
Mud Resistivity (ohm.m) .....  
Filtrate Resistivity (ohm.m)..  
Filtrate Chlorides (ppm) ..... 37500

#### INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) .... 3152  
Gas Cushion Type ..... NONE  
Surface Pressure (psi) ..... --  
Liquid Cushion Type ..... NONE  
Cushion Length (ft) ..... --

#### TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 7814/3.8  
Collar Length (ft)/I.D. (in).. 604/2.688  
Packer Depths (ft) ..... 8468  
Bottomhole Choke Size (in) ... 15/16  
Gauge Depth (ft)/Type ..... 8433/MECHANICAL

#### NET PIPE RECOVERY

| Volume   | Fluid Type | Properties      |
|----------|------------|-----------------|
| 4420 FT. | DRLG. MUD  | 37,500 PPM CL.  |
| 2000 FT. | SALTWATER  | 110,000 PPM CL. |
|          |            |                 |
|          |            |                 |
|          |            |                 |

#### NET SAMPLE CHAMBER RECOVERY

| Volume       | Fluid Type | Properties      |
|--------------|------------|-----------------|
| 2300 CC      | WATER      | 110,000 PPM CL. |
|              |            |                 |
|              |            |                 |
|              |            |                 |
| Pressure: 50 |            | GOR: -- GLR: -- |

#### INTERPRETATION RESULTS

Model of Behavior .....  
Fluid Type Used for Analysis .  
Reservoir Pressure (psi) .....  
Transmissibility (md.ft/cp) ..  
Effective Permeability (md) ..  
Skin Factor/Damage Ratio .....  
Storativity Ratio .....  
Interporosity Flow Coeff. ....  
Distance to an Anomaly (ft) ..  
Radius of Investigation (ft)..  
Potentiometric Surface (ft) ..

#### ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API) .....  
Basic Solids (%) .....  
Gas Gravity .....  
Water Cut (%) .....  
Viscosity (cp) .....  
Total Compressibility (1/psi).  
Porosity (%) .....  
Reservoir Temperature (F) .... 124  
Form.Vol.Factor (bbl/STB) ....

PRODUCTION RATE DURING TEST: N/A

#### COMMENTS:

UNSUCCESSFUL TEST; NO PACKER SEAT

Field Report # 08703 F

| DATE<br>(M/D/Y) | TIME<br>(HR:MIN) | EVENT<br>E.T.<br>(MIN) | EVENT DESCRIPTION                       | LABEL<br>PT. # | SURFACE<br>PRESSURE<br>(PSIG) | FLOOR MANIFOLD<br>CHOKE SIZE<br>(64ths INCH) |
|-----------------|------------------|------------------------|---|----------------|-------------------------------|--|
| 10/18/85        | 1335             | —                      | SET PACKER                              | 1              |                               | BUBBLE HOSE                                  |
|                 | 1337             | —                      | OPENED TEST TOOL FOR INITIAL FLOW       |                |                               | "  |
|                 |                  |                        | IMMEDIATE BLOW TO BOTTOM OF BUCKET      |                |                               |  |
|                 | 1345             |                        | BYPASS TOOL                             |                |                               | "  |
|                 | 1349             |                        | RE-OPENED TOOL - IMMEDIATE BLOW         |                |                               | "  |
|                 |                  |                        | TO BOTTOM OF BUCKET                     |                |                               |  |
|                 | 1358             | —                      | ATTEMPTED TO CLOSE TOOL                 |                |                               | "  |
|                 | 1430             |                        | ATTEMPTED TO RE-OPEN TOOL               |                |                               | "  |
|                 |                  |                        | WEAK BLOW (6") & GRADUALLY DIED         |                |                               |  |
|                 | 1515             |                        | ATTEMPTED TO CLOSE TOOL                 |                |                               | "  |
|                 | 1616             |                        | PULLED PACKER LOOSE                     |                |                               | —  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        | NOTE: UNSUCCESSFUL TEST; NO PACKER SEAT |                |                               |  |
|                 |                  |                        | 30 PPM H2S                              |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  | —                      | REVERSED OUT                            |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  |                        |   |                |                               |  |
|                 |                  | —                      | BEGAN TRIP OUT OF HOLE                  |                |                               |  |
|                 |                  |                        |   |                |                               |  |

# BOTTOM HOLE PRESSURE AND TIME DATA

JS-193-A

JOHN-MACCO

Schlumberger

PAGE NUMBER

INSTRUMENT NUMBER

J-1928

CAPACITY (P.S.I.)

6400#

DEPTH

8433 FT.

PORT OPENING

INSIDE

BOTTOM HOLE TEMPERATURE

124°F

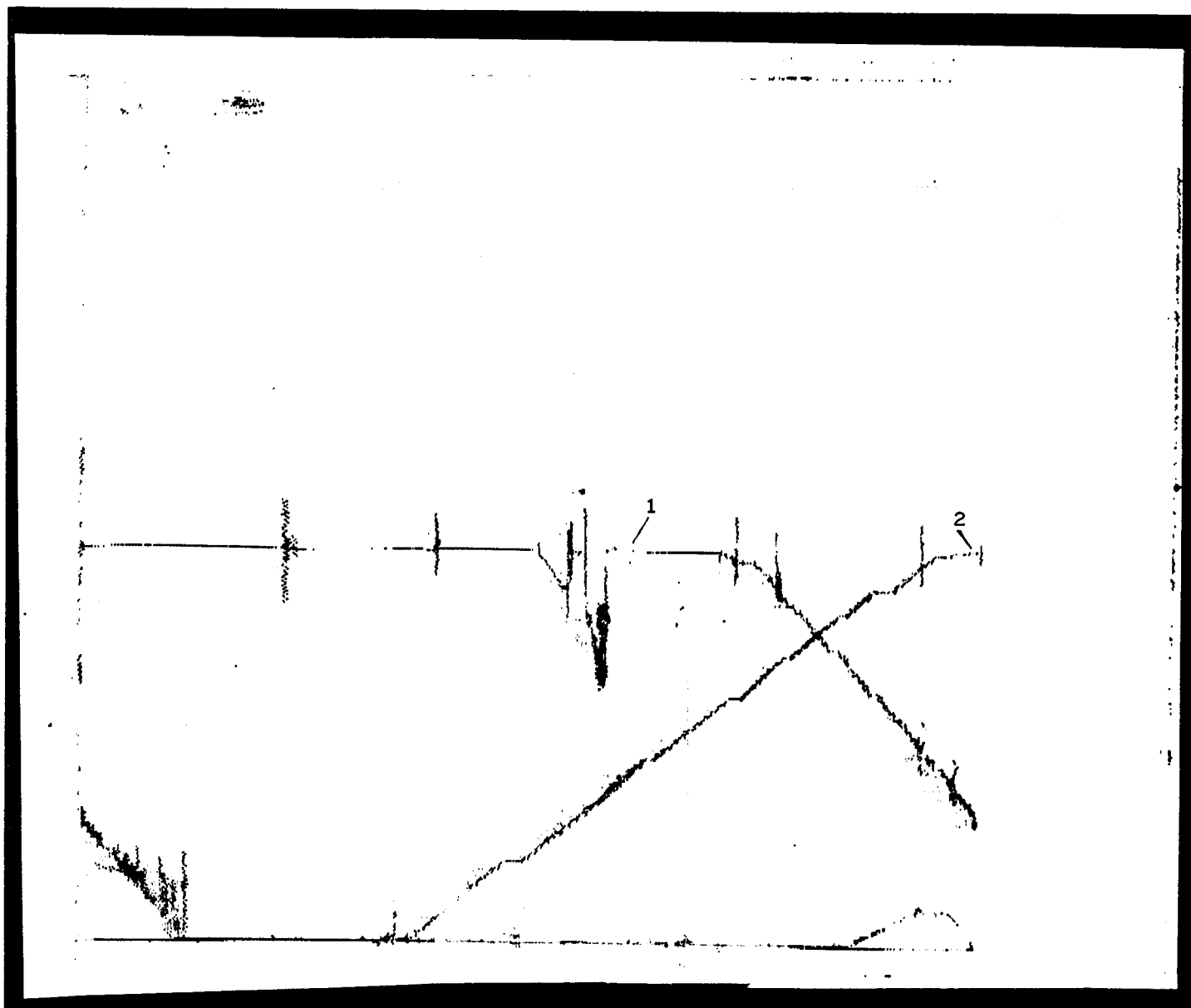
FIELD REPORT NUMBER

08703 F

| DESCRIPTION             | LABELED POINTS | PRESSURE (P.S.I.) | GIVEN TIME | COMPUTED TIME |
|-------------------------|----------------|-------------------|------------|---------------|
| INITIAL HYDROSTATIC MUD | 1              | 3152              |            |               |
| INITIAL FLOW (1)        |                |                   |            |               |
| INITIAL FLOW (2)        |                |                   |            |               |
| INITIAL SHUT-IN         |                |                   |            |               |
| SECOND FLOW (1)         |                |                   |            |               |
| SECOND FLOW (2)         |                |                   |            |               |
| SECOND SHUT-IN          |                |                   |            |               |
| FINAL FLOW (1)          |                |                   |            |               |
| FINAL FLOW (2)          |                |                   |            |               |
| FINAL SHUT-IN           |                |                   |            |               |
| FINAL HYDROSTATIC MUD   | 2              | 3152              |            |               |

REMARKS:

UNSUCCESSFUL TEST; NO PACKER SEAT



RECEIVED

## DISTRIBUTION FOR TECHNICAL REPORTS

|          |                                       |       |              |                                 |     |          |
|----------|---------------------------------------|-------|--------------|---------------------------------|-----|----------|
| COMPANY  | E. P. OPERATING (ENSERCH EXPLORATION) | WELL  | COORS USA    | NOV 04 1985                     | NO. | 1-10 L-C |
| CUSTOMER | SAME                                  | FIELD | KANE SPRINGS | DIVISION OF OIL<br>GAS & MINING |     |          |
| COUNTY   | GRAND                                 | STATE | UTAH         |                                 |     |          |

☐ THIS TEST ONLY ☒ ALL TESTS ON THIS WELL

FJS HAS BEEN REQUESTED TO FURNISH THE FOLLOWING COMPANIES WITH TECHNICAL REPORTS AS SHOWN AT LEFT.

MR. S. B. CHURCH  
COORS ENERGY COMPANY  
P. O. BOX 467  
GOLDEN, CO 80402

2

MR. LANCE NEIBERGER  
BHP PETROLEUM (ERG)  
P. O. BOX 3280  
CASPER, WY 82601

1

+

MR. M. T. BERRYHILL  
ENSERCH EXPLORATION, INC.  
1700 LINCOLN ST., STE. 3600  
DENVER, CO 80203

4

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
355 WEST NORTH TEMPLE  
THREE TRIAD CENTER, SUITE 350  
SALT LAKE CITY, UT 84180-1203

1

+

MR. K. L. FOURET  
ENSERCH EXPLORATION, INC.  
1700 LINCOLN ST., STE. 3600  
DENVER, CO 80203

2

MR. GREG NOBLE  
BUREAU OF LAND MANAGEMENT  
DISTRICT OFFICE  
P. O. BOX M  
MOAB, UT 84534

2

+

MR. CARL PEEPLES  
ENSERCH EXPLORATION, INC.  
1230 RIVER BEND DRIVE, STE. 136  
DALLAS, TX 75247

1

J. F. LYLE  
VICE PRESIDENT DRILLING  
1817 WOOD STREET  
DALLAS, TX 75201

1

+